

Moxtek X-Ray Sources and USA Patents

|               | US7382862 | US7529345 | US9240303 | US10453643 | US10499484 | US10945329 | US10616986 | US10178748 | US10964507 | US11195687 | US11081311 | US11152184 |
|---------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TSR-B3008-RH2 | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TSR-B5008-RH2 | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TSR-B5008-W01 | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00015-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00041-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00041-2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00041-6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00041-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00041-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00045-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00046-CR5  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00046-CU5  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00046-M05  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00046-W05  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00050-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00053-2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00056-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00056-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00056-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00056-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00056-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00060-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00060-2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00060-6    | x         |           |           |            |            |            |            |            |            |            |            |            |
| TUB00060-6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00060-6A   | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00061-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00063-6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00064-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00067-7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00068-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00076-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00078-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00082-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00083-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00083-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00083-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00084-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00085-7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00089-1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00090-2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-AU1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-PD1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-RH2  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-RH3  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00097-W01  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00098-AG1  | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00098-AG2  | x         | x         |           |            |            |            |            |            |            |            |            |            |

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|-----------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TUB00098-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00103-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00103-TA1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00104-AG4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00104-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-AG4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-TA1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00107-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00108-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00108-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00108-TA7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00108-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00110-AG4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00110-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00111-AG4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00111-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00112-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00112-AU1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00120-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00120-RH2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00121-XXX    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00121-XXX    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00123-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00123-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00123-TA1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00124-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-AG1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-AU1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-CR6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-CU6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-MO6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-PD1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-RH2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-RH7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-TA1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-TA7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-Ti6    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-W06    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00125-W07    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00130-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00130-RH3-40 | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00140-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-Ti6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00140-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-Ti6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00141-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-Ti6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00142-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-Ti6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00143-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |

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|-----------------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TUB00144-TI6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00144-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-TI6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00145-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-TI6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00146-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-TI6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00147-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-AG2    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-CR6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-CU6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-MO6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-RH3    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-TI6    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00148-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00153-SA-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00153-SI-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00154-SA-CR6 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00154-SA-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00154-SI-CR6 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00154-SI-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00155-SA-CR6 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00155-SA-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00155-SI-CR6 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00155-SI-W06 | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00156-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00156-W06    | x         | x         | x         |            |            |            |            |            |            |            |            |            |
| TUB00160-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00160-AU4    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00160-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00160-W07    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00161-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00161-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00161-W07    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00162-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00170-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00170-TA7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00171-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00172-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-AG1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-AG2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-AU1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-PD1    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-RH2    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-RH3    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-RH7    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00V50-W01    | x         | x         |           |            |            |            |            |            |            |            |            |            |
| TUB00200-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| TUB00201-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| TUB00202-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| TUB00205-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| TUB00209-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| Tub00219-W08    |           |           |           | x          | x          | x          | x          |            | x          | x          |            |            |
| TUB00222-W05    |           |           |           |            |            |            |            | x          |            |            |            |            |
| TUB00183-BY-W05 |           |           |           |            |            |            |            |            |            |            | x          |            |
| TUB00184-BY-W05 |           |           |           |            |            |            |            |            |            |            | x          |            |
| TUB00185-AZ-W05 |           |           |           |            |            |            |            |            |            |            | x          |            |