

(12) United States Patent Watanabe

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(54)	X-RAY	DIAGNOSIS	APPARATUS

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

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(51) Int. Cl.⁷ H05G 1/02; A61B 6/00

(52)

Field of Search 378/197, 193, 378/196, 195, 198, 4, 20, 181

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^{*} cited by examiner

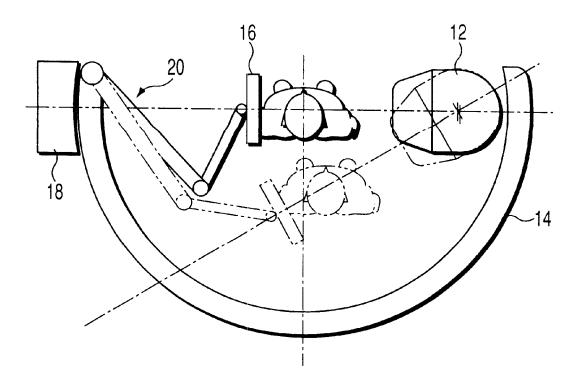
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(57)**ABSTRACT**

An X-ray generator is rotatably attached to one end of a C-shaped arm, and a planar X-ray detector is attached to the other end of the C-shaped arm via a link mechanism capable of freely changing a position/direction of the detector. The X-ray generator is rotated to achieve imaging in an oblique direction, without sliding/rotating the C-shaped arm. The link mechanism is driven in association with the rotation of the X-ray generator so that the X-ray detector may face the X-ray generator. Thus, the limit to the slide angle range can substantially be eliminated without degrading accessibility, and various positioning is achieved exactly and easily.

28 Claims, 8 Drawing Sheets





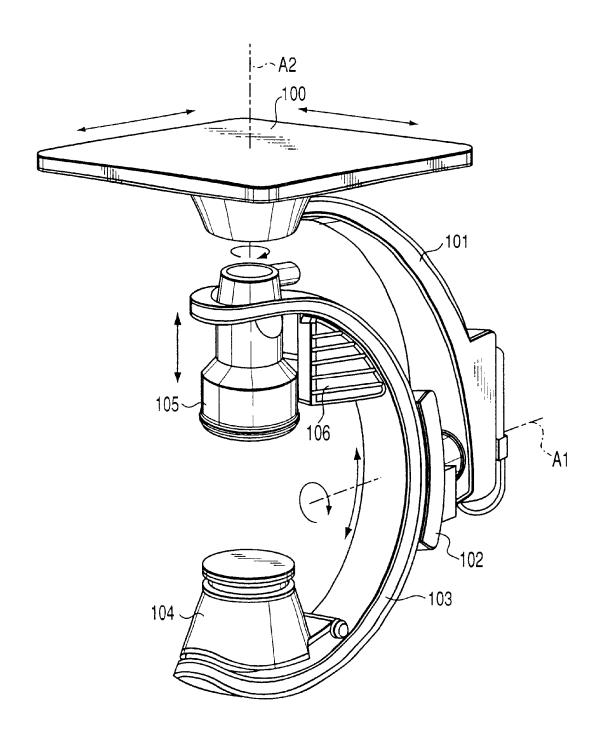
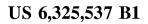
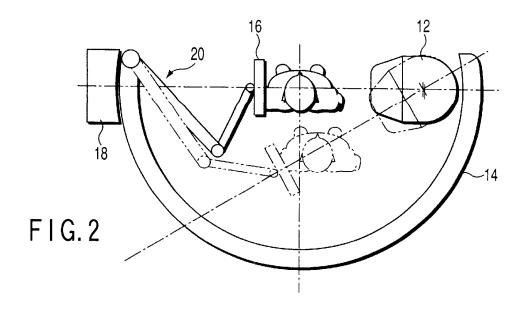


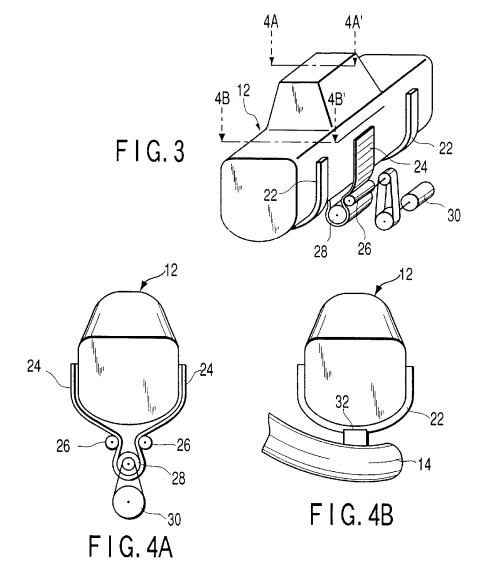
FIG. 1 PRIOR ART



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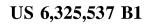








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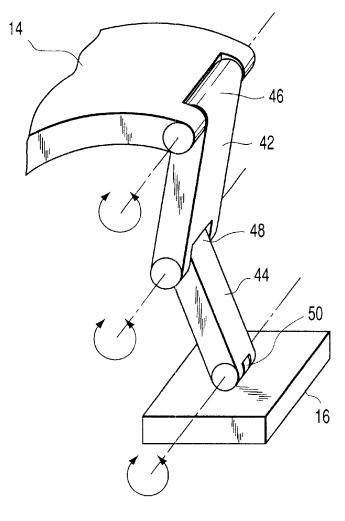


FIG. 5

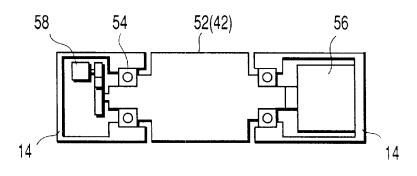
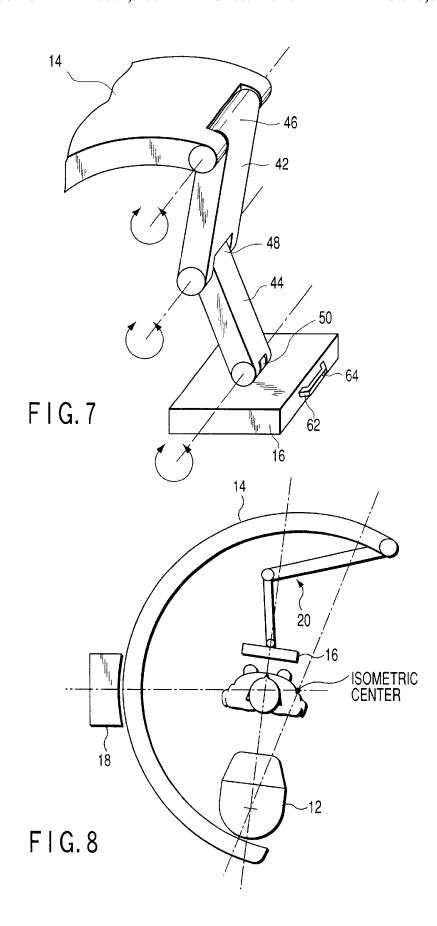


FIG.6







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