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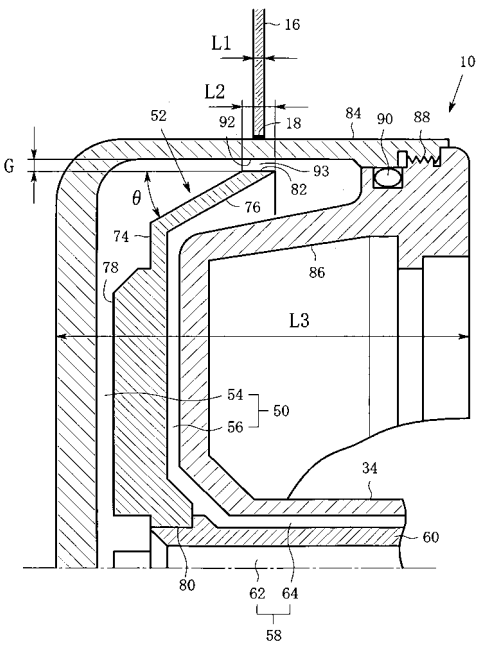
(54) Rotating anode x-ray tube

(57) A rotating anode (10) has an improved separator (52) arranged within a coolant passage (50) which is formed inside the rotating anode. A cylindrical target has an outer periphery whose axial length (L3) is in a range between 20 and 100 millimeters. The separator (52) has a proximal surface (82), a distance (G) between the proximal surface (82) and a must-cooled surface (92) being in a range between 0.1 and 3.0 millimeters. The axial length (L2) of the proximal surface (82) is not greater than five millimeters. Thus, since the axial length (L2) of the proximal surface (82) is set to be small, the load of a rotary driving source would be not so large even with a high-speed rotation of the rotating anode (10). When using an electric motor as the rotary driving source, it is not necessary to exchange the capacity of a motor diver for a larger one.

FIG. 2



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EUROPEAN SEARCH REPORT

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