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(54) **X-RAY GENERATING APPARATUS**

(71) Applicant: **REMEDI CO., LTD**, Chuncheon-si, Gangwon-do (KR)

(72) Inventors: **Re Na LEE**, Seoul (KR); **Young Hwan KIM**, Seoul (KR); **Sung Ho CHO**, Seoul (KR); **Hyun Jun KIM**, Seoul (KR)

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(57) **ABSTRACT**

According to the present inventive concept, there is provided an X-ray generating apparatus including a voltage generating apparatus that generates a pulse signal according to an X-ray irradiation signal and generates a predetermined voltage according to the pulse signal, and an X-ray tube that generates X-rays according to the voltage from the voltage generating apparatus, wherein the voltage generating apparatus detects arc discharge by detecting a current of the X-ray tube.