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**Stoutenburgh et al.**

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(54) **RADIOLOGICAL IMAGING DEVICE WITH  
ADVANCED SENSORS**

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(58) **Field of Classification Search**

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See application file for complete search history.

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**Related U.S. Application Data**

(57) **ABSTRACT**

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A radiological imaging device that includes a gantry defining an analysis zone in which at least part of a patient is placed, a source suitable to emit radiation defining a central axis of propagation; a detector suitable to receive the radiation, a translation mechanism adapted to translate the source and the detector in a direction of movement substantially perpendicular to the central axis of propagation; and a control unit adapted to acquire an image from data signals received continuously from the detector while the translation mechanism continuously translates the source emitting the radiation and the detector receiving the radiation, so as to scan the at least part of the patient.

(51) **Int. Cl.**

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(52) **U.S. Cl.**

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**20 Claims, 9 Drawing Sheets**

