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**Mueller et al.**

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(54) **ROTATABLE IMAGING SYSTEM**

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CPC ..... **A61B 5/0077** (2013.01); **A61B 5/004** (2013.01); **A61B 5/0064** (2013.01); **A61B 5/1079** (2013.01); **A61B 5/6889** (2013.01); **F16M 11/046** (2013.01); **F16M 11/048**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

An imaging system that includes a rotating unit that includes an imaging camera, an alignment camera and at least a first monitor. The rotating unit is rotatable between a home position and a finish position about a rotation axis such that the imaging camera can capture a first scan. The alignment camera is directed generally downwardly and is configured to capture a first alignment image of a subject positioned generally co-axially with the rotation axis. The first alignment image is displayed on the first monitor.

**15 Claims, 45 Drawing Sheets**

