

Title (en)  
DIRECTED-ENERGY IMAGING SYSTEM

Title (de)  
GERICHTETE-ENERGIE-ABBILDUNGSSYSTEM

Title (fr)  
SYSTÈME D'IMAGERIE À ÉNERGIE DIRIGÉE

Publication  
**EP 2215498 A2 20100811 (EN)**

Application  
**EP 08852590 A 20081117**

Priority  
• US 2008012843 W 20081117  
• US 98862907 P 20071116

Abstract (en)  
[origin: WO2009067179A2] An imaging system that uses a directed-energy device can include a directed-energy device configured to generate an excitation signal to impinge a region of interest of a target and excite elements therein and receive resonance signals emitted from the region of interest of the target after the excitation signal is terminated. The directed-energy device can include a charged particle generator configured to generate plural energized particles and a charge transformer configured to receive the plural energized particles that include charged particles from the charged particle generator and to output a wavefront including energized particles that include particles having substantially zero charge. The imaging system can also include plural gradient coils positioned about a bore of a magnet and configured to impress a polarizing magnetic field on a target and a communications interface.

IPC 8 full level  
**G01S 13/89** (2006.01); **G01R 33/48** (2006.01)

CPC (source: EP US)  
**A61B 5/055** (2013.01 - EP); **G01R 33/4802** (2013.01 - US); **G01R 33/4808** (2013.01 - EP)

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DOCDB simple family (publication)  
**WO 2009067179 A2 20090528; WO 2009067179 A3 20090709; EP 2215498 A2 20100811; EP 2215498 A4 20110810**

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