

Title (en)

CONTRAST AGENTS FOR MEDICAL MICROWAVE IMAGING

Title (de)

KONTRASTMITTEL FÜR DIE MEDIZINISCHE MIKROWELLENABBILDUNG

Title (fr)

AGENTS DE CONTRASTE POUR UNE IMAGERIE HYPERFRÉQUENCE MÉDICALE

Publication

**EP 2384203 A1 20111109 (EN)**

Application

**EP 10788383 A 20101124**

Priority

- GB 2010051956 W 20101124
- GB 0920839 A 20091127

Abstract (en)

[origin: WO2011064577A1] A method of generating information from a search volume using microwaves. A physiologically tolerable magnetic, ionic or semiconducting contrast agent is administered to said search volume. The contrast is physiologically and is capable of absorbing or scattering microwave radiation in the frequency range 0.1 - 40 GHz. The search volume is subjected to microwave radiation emitted from one or more antennas. Microwave radiation is received with one or more antennas the effect of the contents of the search volume on the propagation of the microwave energy is detected by processing the antenna signals to form a measurement of the presence of the contrast agent in the search volume at the location of a given voxel.

IPC 8 full level

**A61K 49/00** (2006.01)

CPC (source: EP)

**A61B 5/05** (2013.01); **A61B 5/0507** (2013.01); **A61K 49/222** (2013.01)

Citation (search report)

See references of WO 2011064577A1

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