

Title (en)
MAGNETIC RESONANCE EXAMINATION SYSTEM WITH REDUCED ACOUSTIC NOISE

Title (de)
MAGNETRESONANZUNTERSUCHUNGSSYSTEM MIT MINIMALEM AKUSTISCHEM RAUSCHEN

Title (fr)
SYSTEME D'EXAMEN PAR RESONANCE MAGNETIQUE A BRUIT ACOUSTIQUE REDUIT

Publication
EP 2191287 A1 20100602 (EN)

Application
EP 08789666 A 20080901

Priority

- IB 2008053534 W 20080901
- EP 07115877 A 20070907
- EP 08789666 A 20080901

Abstract (en)
[origin: WO2009031092A1] A magnetic resonance examination system comprises an examination zone (1), a gradient coil (2) to generate a gradient magnetic field in the examination zone and a cover (3) positioned between the gradient coil and the examination zone. An RF antenna (4) mounted on an antenna-carrier (5) and positioned between the cover and the gradient coil. The combination of the cover and the antenna-carrier form a double wall with a gap between them. The cover and the antenna-carrier are together located between the gradient coil and the examination zone and effectively counteract the propagation of acoustic noise from the vibrating gradient coil to the examination zone and to the outside of the magnetic resonance examination system.

IPC 8 full level
G01R 33/385 (2006.01)

CPC (source: EP)
G01R 33/3854 (2013.01)

Citation (search report)
See references of WO 2009031092A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
WO 2009031092 A1 20090312; CN 101796425 A 20100804; EP 2191287 A1 20100602

DOCDB simple family (application)
IB 2008053534 W 20080901; CN 200880105471 A 20080901; EP 08789666 A 20080901