

Title (en)
ULTRASONIC MYOCARDIAL TAGGING

Title (de)
MYOKARDIALES ULTRASCHALL-TAGGING

Title (fr)
MARQUAGE ULTRASONIQUE MYOCARDIAL

Publication
EP 1773201 A1 20070418 (EN)

Application
EP 05759919 A 20050711

Priority
• IB 2005052295 W 20050711
• US 59107204 P 20040726

Abstract (en)
[origin: WO2006013481A1] The present invention relates to an ultrasonic myocardial tagging and imaging system (30), in which an ultrasonic contrast agent, e.g. microbubbles, is introduced to the myocardial area and allowed to circulate. Then a high-MI pressure field is applied to selectively destroy regions of the contrast agent in a known geometry so as to create a "tag" (102) comprising a predetermined pattern of non-echogenic regions (102b) and echogenic regions (102a). Movement of the tag (102) relative to the myocardium (100) is tracked so as to monitor movement and/or de formation of the wall tissue and assess myocardial viability.

IPC 8 full level
A61B 8/00 (2006.01)

CPC (source: EP)
A61B 8/0883 (2013.01); **A61B 8/481** (2013.01); **A61B 8/5276** (2013.01)

Citation (search report)
See references of WO 2006013481A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006013481 A1 20060209; EP 1773201 A1 20070418; JP 2008507371 A 20080313

DOCDB simple family (application)
IB 2005052295 W 20050711; EP 05759919 A 20050711; JP 2007523183 A 20050711