

Title (en)

METHOD AND SYSTEM FOR ENHANCING THE QUALITY OF DEVICE IMAGES

Title (de)

VERFAHREN UND SYSTEM ZUR VERBESSERUNG DER QUANTITÄT VON EINRICHTUNGSBILDERN

Title (fr)

PROCEDE ET SYSTEME PERMETTANT D'AMELIORER LA QUALITE DES IMAGES DE DISPOSITIF

Publication

**EP 1380003 A4 20100331 (EN)**

Application

**EP 01987068 A 20011121**

Priority

- US 0143888 W 20011121
- US 27477801 P 20010309

Abstract (en)

[origin: WO02071917A2] A system for improving the quality of medical images depicts a list of sub-optimal image situations. For each sub-optimal image situation, a list of at least one possible reason for the sub-optimal image situation is provided, sorted by the probability. For each reason in the list, a list of at least one remedy for said reason is provided. By navigating these lists, an inexperienced user of an item of imaging equipment is guided to obtain an optimal quality image.

IPC 1-7

**G06K 9/00**

IPC 8 full level

**G09B 5/06** (2006.01); **A61B 5/00** (2006.01); **G06F 19/00** (2011.01); **G06T 5/00** (2006.01); **G06T 17/40** (2006.01); **A61B 8/00** (2006.01)

CPC (source: EP KR)

**A61B 5/00** (2013.01 - KR); **A61B 8/463** (2013.01 - EP); **G06T 7/0012** (2013.01 - EP); **G16H 40/63** (2017.12 - EP); **A61B 8/00** (2013.01 - EP); **G06T 2200/24** (2013.01 - EP); **G06T 2207/10132** (2013.01 - EP); **G06T 2207/20081** (2013.01 - EP); **G06T 2207/20092** (2013.01 - EP); **G06T 2207/30004** (2013.01 - EP); **G06T 2210/41** (2013.01 - EP)

Citation (search report)

- [DA] US 6032678 A 20000307 - ROTTEM SHRAGA [US]
- [X] DALE-JONES R ET AL: "An advisory system for image enhancement", PROCEEDINGS OF THE IASTED INTERNATIONAL SYMPOSIUM ARTIFICIAL INTELLIGENCE APPLICATION AND NEURAL NETWORKS - AINN '90 ACTA PRESS ANAHEIM, CA, USA, 1990, pages 73 - 76, XP008118897, ISBN: 0-88986-152-8
- [X] BRUINING N ET AL: "CardiAssist: developing a support platform for 3D ultrasound", COMPUTERS IN CARDIOLOGY 1997 LUND, SWEDEN 7-10 SEPT. 1997, NEW YORK, NY, USA, IEEE, US, 7 September 1997 (1997-09-07), pages 557 - 560, XP010264580, ISBN: 978-0-7803-4445-7
- [A] LEE W: "The Fetal Imaging Workstation Demonstration Project", COMPUTERIZED MEDICAL IMAGING AND GRAPHICS ELSEVIER UK, vol. 20, no. 6, November 1996 (1996-11-01), pages 459 - 466, XP008118899, ISSN: 0895-6111
- See references of WO 02071917A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02071917 A2 20020919**; **WO 02071917 A3 20030530**; **WO 02071917 A9 20030130**; AU 2002239322 A1 20020924; BR 0116930 A 20061010; CN 100409247 C 20080806; CN 1602497 A 20050330; EP 1380003 A2 20040114; EP 1380003 A4 20100331; EP 2500842 A1 20120919; HK 1076900 A1 20060127; JP 2004524908 A 20040819; KR 100895041 B1 20090504; KR 20040069260 A 20040805

DOCDB simple family (application)

**US 0143888 W 20011121**; AU 2002239322 A 20011121; BR 0116930 A 20011121; CN 01823208 A 20011121; EP 01987068 A 20011121; EP 12170876 A 20011121; HK 05108741 A 20050930; JP 2002570882 A 20011121; KR 20037011852 A 20030909