



(11) **EP 3 263 040 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(48) Corrigendum issued on:
30.10.2024 Bulletin 2024/44

(45) Date of publication and mention
of the grant of the patent:
25.09.2024 Bulletin 2024/39

(21) Application number: **15883355.8**

(22) Date of filing: **27.11.2015**

(51) International Patent Classification (IPC):
A61B 6/03 (2006.01) **A61B 8/14** (2006.01)
G06T 7/30 (2017.01) **A61B 8/08** (2006.01)
A61B 8/00 (2006.01) **A61B 5/055** (2006.01)
G06T 7/33 (2017.01)

(52) Cooperative Patent Classification (CPC):
A61B 8/5261; A61B 6/03; A61B 6/032;
A61B 8/0891; A61B 8/14; A61B 8/4254;
A61B 8/463; A61B 8/5207; G06T 7/33;
A61B 8/0883; A61B 8/4416; G06T 2207/10072;
G06T 2207/10088; G06T 2207/30056;
G06T 2207/30101

(86) International application number:
PCT/JP2015/083482

(87) International publication number:
WO 2016/136065 (01.09.2016 Gazette 2016/35)

(54) **ULTRASONIC IMAGE PICKUP DEVICE AND IMAGE PROCESSING DEVICE**

ULTRASCHALLBILDAUFNAHMEVORRICHTUNG UND BILDVERARBEITUNGSVORRICHTUNG
DISPOSITIF DE CAPTURE D'IMAGE ULTRASONORE ET DISPOSITIF DE TRAITEMENT D'IMAGE

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

(30) Priority: **26.02.2015 JP 2015037353**

(43) Date of publication of application:
03.01.2018 Bulletin 2018/01

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(56) References cited:
WO-A1-2004/098414 JP-A- 2011 011 001
JP-A- 2011 167 331 JP-A- 2014 195 729
US-A1- 2010 239 150 US-A1- 2014 193 053

- **JEFFREY SCHLOSSER ET AL: "Automatic 3D ultrasound calibration for image guided therapy using intramodality image registration", PHYSICS IN MEDICINE AND BIOLOGY, INSTITUTE OF PHYSICS PUBLISHING, BRISTOL GB, vol. 58, no. 21, 8 October 2013 (2013-10-08), pages 7481 - 7496, XP020252303, ISSN: 0031-9155, [retrieved on 20131008], DOI: 10.1088/0031-9155/58/21/7481**

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