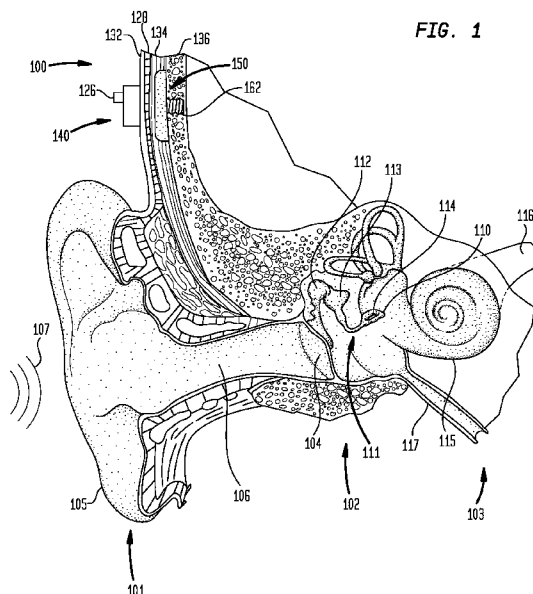




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- (71) Applicant (for all designated States except US): **COCHLEAR LIMITED** [AU/AU]; c/o IP Department, 1 University Avenue, Macquarie University, New South Wales 2109 (AU).
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[Continued on next page]

(54) Title: VIBRATION ISOLATION IN A BONE CONDUCTION DEVICE



(57) Abstract: A bone conduction device, including a bone fixture adapted to be fixed to bone, a vibratory element adapted to be attached to the bone fixture and configured to vibrate in response to sound signals, and a vibration isolator adapted to be disposed between the vibratory element and the bone.



MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

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PCT/IB2012/052625**A. CLASSIFICATION OF SUBJECT MATTER*****H04R 25/00(2006.01)i, A61F 11/00(2006.01)i, H04R 1/00(2006.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04R 25/00; A61F 2/18; A61C 3/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: bone conduction device, cochlear, prosthesis, vibration isolator, bone fixture, implantable plate, silicon, actuator, thread

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007-0053536 A1 (PATRIK WESTERKULL) 08 March 2007	24,34-36
Y	See paragraphs [0006]-[0007],[0030],[0032]-[0034], claim 1 and figures 1-3.	1-6,11,20,25,26,38,39
Y	US 2008-0319250 A1 (ASNES KRISTIAN) 25 December 2008 See paragraphs [0007],[0011],[0023]-[0025], claim 1 and figures 1-3.	1-6,11,20,25,26,38,39
A	US 2006-0050913 A1 (PATRIK WESTERKULL) 09 March 2006 See abstract, paragraphs [0034]-[0036] and figures 1-5.	1-43
A	US 2006-0161255 A1 (ANDREJ ZAROWSKI et al.) 20 July 2006 See abstract, claim 1 and figures 6-8.	1-43
A	US 2009-0245554 A1 (PARKER JOHN) 01 October 2009 See abstract, claim 1 and figures 1-4,13.	1-43

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Date of the actual completion of the international search

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