

Title (en)
Method for determining a compression characteristic curve

Title (de)
Verfahren zum Ermitteln einer Kompressionskennlinie

Title (fr)
Procédé de détermination d'une ligne caractéristique de compression

Publication
EP 2584795 A3 20140716 (DE)

Application
EP 12188476 A 20121015

Priority
DE 102011085036 A 20111021

Abstract (en)
[origin: EP2584795A2] The method involves determining (15) a maximum audible frequency of a hearing device. The knee point is determined by predefined rule in dependence on the maximum audible frequency. The parameters of frequency compression characteristic are constituted on a basis of frequency groups such that number of frequency groups is determined based on the maximum audible frequency. The maximum compression rate is set to be 4. An independent claim is included for method for adjusting a binaural hearing system.

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/70 (2013.01 - EP US); **H04R 25/353** (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US)

Citation (search report)
• [YD] US 2011249843 A1 20111013 - HOLMBERG MARCUS [DK], et al
• [Y] US 2004264721 A1 20041230 - ALLEGRO SILVIA [CH], et al
• [A] KEIICHI YASU ET AL: "Critical-band based frequency compression for digital hearing aids", 1 January 2004 (2004-01-01), XP055120887, Retrieved from the Internet <URL:http://www.splab.net/papers/2004/2004_05.pdf> [retrieved on 20140530], DOI: 10.1250/ast.25.61]
• [A] HARTMUT TRAUNMÜLLER: "Analytical expressions for the tonotopic sensory scale", JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA VOLUME 88, NO. 1, 1 July 1990 (1990-07-01), pages 97 - 100, XP055122062, Retrieved from the Internet <URL:http://scitation.aip.org/docserver/fulltext/asa/journal/jasa/88/1/1.399849.pdf?expires=1402041200&id=id&accname=441685&checksum=C9F9CDB8CBE826BDFFBB014D79C6F620> [retrieved on 20140606]

Designated contracting state (EPC)
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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2584795 A2 20130424; EP 2584795 A3 20140716; EP 2584795 B1 20170719; DE 102011085036 A1 20130425; DK 2584795 T3 20171023; US 2013101123 A1 20130425; US 9232326 B2 20160105

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EP 12188476 A 20121015; DE 102011085036 A 20111021; DK 12188476 T 20121015; US 201213656876 A 20121022