

Title (en)
Control of the strength of the effect of a binaural directional microphone

Title (de)
Steuerung der Effektstärke eines binauralen direktionalen Mikrofons

Title (fr)
Commande de l'intensité d'effet d'un microphone directionnel binaural

Publication
EP 2840809 A3 20170517 (DE)

Application
EP 14161630 A 20140326

Priority
DE 102013207149 A 20130419

Abstract (en)
[origin: US2014314260A1] A hearing aid system has at least two hearing aid devices to be worn on both sides of a wearer's head. The hearing aid devices have a transducer for picking up an acoustic signal and converting same into a first audio signal in each case. A signal processing unit processes audio signals received from each hearing aid device through a signal connection. The signal processing unit evaluates a signal component from a preferred direction in relation to the head of the wearer in the first audio signals. By way of the first audio signals the signal processing unit generates a first binaural directional microphone signal and adjusts its directional characteristic as a function of the evaluation.

IPC 8 full level
H04R 25/02 (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP US)
H04R 25/405 (2013.01 - US); **H04R 25/407** (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US); **H04R 2225/43** (2013.01 - US); **H04R 2430/20** (2013.01 - EP US); **H04R 2430/21** (2013.01 - US); **H04R 2430/23** (2013.01 - US)

Citation (search report)
• [XYI] US 2007160242 A1 20070712 - CADALLI NAIL [US], et al
• [Y] WO 2010051606 A1 20100514 - HEAR IP PTY LTD [AU], et al

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)
US 2014314260 A1 20141023; US 9253581 B2 20160202; DE 102013207149 A1 20141106; DK 2840809 T3 20190408; EP 2840809 A2 20150225; EP 2840809 A3 20170517; EP 2840809 B1 20190102; EP 3410745 A1 20181205; EP 3490273 A1 20190529

DOCDB simple family (application)
US 201414257154 A 20140421; DE 102013207149 A 20130419; DK 14161630 T 20140326; EP 14161630 A 20140326; EP 18183297 A 20140326; EP 18248116 A 20140326