

Title (en)  
Method for adapting useful signals in binaural hearing assistance systems

Title (de)  
Verfahren zur Nutzsignalanpassung in binauralen Hörhilfesystemen

Title (fr)  
Procédé d'adaptation du signal utile dans des systèmes d'aide à l'audition binauraux

Publication  
**EP 2802158 B1 20190814 (DE)**

Application  
**EP 14155511 A 20140218**

Priority  
DE 102013207161 A 20130419

Abstract (en)  
[origin: US2014314259A1] A method operates a hearing aid system and the hearing aid system has at least two hearing aid devices, between which a signal path is provided, and with at least one signal processing unit, which is provided to process audio signals. In the method the signal processing apparatus filters first audio signals with a filter predetermined for a defined spatial direction, from which a useful signal arrives, so that second audio signals are generated, in which the components of the useful signal in the second audio signals are equalized to a greater degree than in the first audio signals. The second audio signals are then filtered with an adaptive filter, so that third audio signals are generated, in which the components of the useful signal are equalized to an even greater degree than in the second audio signals.

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

CPC (source: EP US)  
**H04R 25/40** (2013.01 - US); **H04R 25/407** (2013.01 - EP US); **H04R 25/552** (2013.01 - EP US); **H04R 2225/43** (2013.01 - EP US)

Citation (examination)  
US 5479522 A 19951226 - LINDEMANN ERIC [US], 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

DOCDB simple family (publication)  
**EP 2802158 A2 20141112**; **EP 2802158 A3 20170726**; **EP 2802158 B1 20190814**; DE 102013207161 A1 20141106;  
DE 102013207161 B4 20190321; DK 2802158 T3 20191118; US 2014314259 A1 20141023; US 9277333 B2 20160301

DOCDB simple family (application)  
**EP 14155511 A 20140218**; DE 102013207161 A 20130419; DK 14155511 T 20140218; US 201414257151 A 20140421