

Title (en)  
Hearing aid and method

Title (de)  
Hörvorrichtung und Verfahren

Title (fr)  
Dispositif auditif et procédé

Publication  
**EP 2282558 A3 20130109 (DE)**

Application  
**EP 10168652 A 20100707**

Priority  
DE 102009034826 A 20090727

Abstract (en)  
[origin: EP2282558A2] The device has housing that is worn on ear of user. A channel is formed in housing as a through opening for allowing passage of sound and air between interior of the ear and an environment outside the ear. The valve (17) is formed by electroactive polymer material. The valve changes the size of through-opening at specific position by application of voltage. An independent claim is included for method of operating in-the-ear hearing device.

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

CPC (source: EP US)  
**H04R 25/305** (2013.01 - EP US); **H04R 25/65** (2013.01 - EP US); **H04R 25/456** (2013.01 - EP US); **H04R 25/48** (2013.01 - EP US); **H04R 2225/41** (2013.01 - EP US); **H04R 2460/11** (2013.01 - EP US)

Citation (search report)

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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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
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DE 102009034826 B4 20110428; DK 2282558 T3 20140526; US 2011019852 A1 20110127; US 8391527 B2 20130305

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**EP 10168652 A 20100707**; DE 102009034826 A 20090727; DK 10168652 T 20100707; US 84403310 A 20100727