

Title (en)  
Hearing instrument with interruptable microphone power supply

Title (de)  
Hörinstrument mit unterbrechbarer Mikrofonstromversorgung

Title (fr)  
Instrument auditif avec alimentation de microphone interruptible

Publication  
**EP 2866471 A1 20150429 (EN)**

Application  
**EP 13189758 A 20131022**

Priority  
EP 13189758 A 20131022

Abstract (en)  
A hearing instrument includes: a first microphone; and a control and processing circuit comprising: a first audio input channel configured to receive a first microphone signal, a second audio input channel configured for receipt of an audio signal, a signal processor for receipt and processing of the first microphone signal and the audio signal according to a hearing loss of a user, a power supply configured to provide a first microphone supply voltage for the first microphone, a first controllable switch comprising a first switch control terminal, the first controllable switch configured to selectively connect the first microphone supply voltage to, and disconnect the first microphone supply voltage from, the first microphone in accordance with a first switch control signal, and a first output port configured to provide the first switch control signal to the first switch control terminal.

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

CPC (source: EP US)  
**H04R 25/00** (2013.01 - EP US); **H04R 25/603** (2019.04 - EP US); **H04R 25/70** (2013.01 - EP); **H04R 2225/61** (2013.01 - EP US); **H04R 2460/03** (2013.01 - EP)

Citation (applicant)  
• US 8520875 B1  
• US 6760457 B1 20040706 - BREN MARK A [US], et al  
• US 8229146 B2 20120724 - NIELSEN IVAN RIIS [DK]

Citation (search report)  
• [X] US 2013004003 A1 20130103 - TADA MINORU [JP]  
• [X] US 2005207602 A1 20050922 - VAN OERLE GERARD [CH]  
• [X] US 2009052707 A1 20090226 - HAIN JENS [DE]  
• [A] US 2010022269 A1 20100128 - TERLIZZI JEFFREY J [US]

Cited by  
CN112087703A; EP3113171A1; US10249282B2; US10714071B2

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 2866471 A1 20150429; EP 2866471 B1 20160803; DK 2866471 T3 20161107**

DOCDB simple family (application)  
**EP 13189758 A 20131022; DK 13189758 T 20131022**