

Title (en)  
PERSONAL ACOUSTIC NOISE REDUCING CIRCUIT

Title (de)  
Aktive Lärmunterdrückungsschaltung für Personen

Title (fr)  
Circuit de réduction active de bruit pour personnes

Publication  
**EP 2584559 A1 20130424 (EN)**

Application  
**EP 13151528 A 20100426**

Priority  
• US 43097609 A 20090428  
• US 43100009 A 20090428  
• EP 10715643 A 20100426

Abstract (en)  
Method of enhancing the provision of feedforward-based ANR to both ears of a user of a personal ANR device having a first earpiece and a second earpiece, the method comprising: disposing a first feedforward microphone on the first earpiece; disposing a first acoustic driver within the first earpiece; disposing a second feedforward microphone on the second earpiece; disposing a second acoustic driver within the second earpiece; and employing both first feedforward reference sounds detected by the first feedforward microphone and second feedforward reference sounds detected by the second feedforward microphone in deriving both first feedforward anti-noise sounds to be acoustically output by the first acoustic driver and second feedforward anti-noise sounds to be acoustically output by the second acoustic driver.

IPC 8 full level  
**G10K 11/178** (2006.01)

CPC (source: EP US)  
**G10K 11/17823** (2017.12 - EP US); **G10K 11/17827** (2017.12 - EP US); **G10K 11/17833** (2017.12 - EP US); **G10K 11/17855** (2017.12 - EP US); **G10K 11/17857** (2017.12 - EP US); **G10K 11/17881** (2017.12 - EP US); **G10K 11/17885** (2017.12 - EP US); **G10K 2210/321** (2013.01 - EP); **G10K 2210/3214** (2013.01 - EP)

Citation (search report)  
• [XYI] DE 102007013719 A1 20080925 - SENNHEISER ELECTRONIC [DE]  
• [Y] WO 2006076369 A1 20060720 - TARGUS GROUP INT INC [US], et al  
• [A] JP S5791096 A 19820607 - NAMIKI PRECISION JEWEL CO LTD  
• [A] JP H11237889 A 19990831 - SONY CORP  
• [A] EP 1320281 A2 20030618 - PHONAK AG [CH]

Designated contracting state (EPC)  
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

DOCDB simple family (publication)  
**WO 2010129212 A1 20101111**; EP 2425422 A1 20120307; EP 2425422 B1 20130306; EP 2584559 A1 20130424; EP 2584559 B1 20151028; HK 1167923 A1 20121214

DOCDB simple family (application)  
**US 2010032353 W 20100426**; EP 10715643 A 20100426; EP 13151528 A 20100426; HK 12108488 A 20120830