

Title (en)

A 5.1 channel signal output mixer circuit for earphone

Title (de)

Eine 5.1 Kanalsignalausgangsmischerschaltung für einen Kopfhörer

Title (fr)

Un circuit mélangeur de sortie à canal 5.1 pour un écouteur

Publication

**EP 1526758 A3 20060329 (EN)**

Application

**EP 03024363 A 20031024**

Priority

EP 03024363 A 20031024

Abstract (en)

[origin: EP1526758A2] A 5.1 channel signal output mixer circuit for earphone using step gain amplification unit comprising a filtering gain unit, a mixing gain unit and a noise reduction gain unit, wherein said filtering gain unit obtaining a bandwidth-adjusted subwoofer signal from two waveform shaping circuits, said mixing gain mixing said subwoofer signal with an output signal of a front channel to form a first signal, said noise reduction gain receiving said first signal for noise removal to form a signal and outputting said signal to a speaker.

IPC 8 full level

**H04S 3/00** (2006.01); **H04R 3/02** (2006.01)

CPC (source: EP)

**H04S 3/004** (2013.01); **H04S 2400/09** (2013.01)

Citation (search report)

- [A] US 4412106 A 19831025 - PAVEL ANDREAS [IT]
- [A] DE 4237710 A1 19930513 - KOENIG FLORIAN [DE]
- [A] DE 4332504 A1 19950330 - KOENIG FLORIAN [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13 30 November 1998 (1998-11-30)

Cited by

CN113093826A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1526758 A2 20050427**; **EP 1526758 A3 20060329**

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