

Title (en)

METHOD AND TOPOLOGY TO SWITCH AN OUTPUT STAGE IN A CLASS AB AUDIO AMPLIFIER FOR WIRELESS APPLICATIONS

Title (de)

VERFAHREN UND TOPOLOGIE ZUM SCHALTEN EINER AUSGANGSSTUFE IN EINEM KLASSE-AB-AUDIOVERSTÄRKER FÜR DRAHTLOSE ANWENDUNGEN

Title (fr)

PROCEDE ET TOPOLOGIE PERMETTANT DE COMMUTER UN ETAGE DE SORTIE DANS UN AMPLIFICATEUR AUDIO DE CLASSE AB DESTINES A DES APPLICATIONS SANS FIL

Publication

EP 1839378 A4 20090114 (EN)

Application

EP 05854097 A 20051215

Priority

- US 2005045312 W 20051215
- FR 0500506 A 20050118
- US 10941005 A 20050419

Abstract (en)

[origin: WO2006078378A2] A circuit (100) and method of switching an output of a single preamplifier (110) to or from multiple amplifier output stages (150, 151). The preamplifier output is switched between multiple audio amplifier output stages without degrading the performance of the output signal. A switching circuit (210-213, 220-223) selectively couples the preamplifier output to an amplifier output stage and also couples (160, 161) a feedback loop (122, 123) between the selected amplifier output stage and the preamplifier stage.

IPC 8 full level

H02B 1/00 (2006.01); **H03F 99/00** (2009.01)

CPC (source: EP)

H03F 3/181 (2013.01); **H03F 3/45475** (2013.01); **H03F 3/68** (2013.01); **H03F 3/72** (2013.01); **H03F 2200/03** (2013.01); **H03F 2203/45534** (2013.01); **H03F 2203/7215** (2013.01)

Citation (search report)

- [X] EP 0695106 A1 19960131 - ST MICROELECTRONICS SRL [IT]
- [A] US 5487182 A 19960123 - HANSSON HANS M [SE]
- [AD] US 6397087 B1 20020528 - KIM DONG-HO [KR], et al
- See references of WO 2006078378A2

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 2006078378 A2 20060727; **WO 2006078378 A3 20061116**; EP 1839378 A2 20071003; EP 1839378 A4 20090114

DOCDB simple family (application)

US 2005045312 W 20051215; EP 05854097 A 20051215