

Title (en)
CLASS A PUSH-PULL AMPLIFIER

Title (de)
GEGENTAKTVERSTÄRKER DER KLASSE A

Title (fr)
AMPLIFICATEUR DE CLASSE A DE TYPE PUSH-PULL

Publication
EP 2543140 A1 20130109 (FR)

Application
EP 10716397 A 20100316

Priority
• FR 1051518 A 20100302
• FR 2010050470 W 20100316

Abstract (en)
[origin: WO2011107670A1] The invention relates to a "push-pull" amplifier, comprising an input (12) and an output (14), which includes: a main amplification branch comprising two amplification transistors (18, 20) connected in opposite series between two supply voltages (V+, V-), the amplifier output (14) being connected between the two transistors (18, 20), and a control circuit (22, 24) for each amplification transistor (18, 20) connected to the input (12) to each receive as an input the signal to be amplified. The main amplification branch comprises, between each transistor (18, 20) and the output (14), a member having a nonlinear response (38, 40) and means (30, 32) for introducing at the input of the control circuit (22, 24) of each transistor (18, 20), a nonlinear compensating signal suitable for bringing about the circulation of a minimum current in the member having a nonlinear response (38, 40).

IPC 8 full level
H03F 3/30 (2006.01)

CPC (source: EP US)
H03F 3/3018 (2013.01 - EP US)

Citation (search report)
See references of WO 2011107670A1

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 2011107670 A1 20110909; BR 112012022178 A2 20161025; CN 102906999 A 20130130; CN 102906999 B 20160608; EP 2543140 A1 20130109; JP 2013521689 A 20130610; JP 5647272 B2 20141224; KR 20130053394 A 20130523; US 2013063211 A1 20130314; US 9257949 B2 20160209

DOCDB simple family (application)
FR 2010050470 W 20100316; BR 112012022178 A 20100316; CN 201080066545 A 20100316; EP 10716397 A 20100316; JP 2012555461 A 20100316; KR 20127025632 A 20100316; US 201013582312 A 20100316