

Title (en)
DIFFERENTIAL AMPLIFIER ARRANGEMENT

Title (de)
DIFFERENZVERSTÄRKERANORDNUNG

Title (fr)
ENSEMBLE AMPLIFICATEUR DIFFERENTIEL

Publication
EP 1665521 A2 20060607 (DE)

Application
EP 04764434 A 20040824

Priority
• EP 2004009457 W 20040824
• DE 10345100 A 20030926

Abstract (en)
[origin: WO2005036733A2] The invention relates to a differential amplifier arrangement (53) comprising an input stage (1) and an output stage (2). The input stage (1) comprises a differential amplifier (3, 4) to which an offset compensation stage (10) is connected, that contains at least one controllable current source (11) and controls a bias signal of the differential amplifier (3, 4). The cited differential amplifier arrangement, that is preferably used as an instrument amplifier, enables very precise compensations of input offsets.

IPC 1-7
H03F 1/30

IPC 8 full level
H03F 1/30 (2006.01); **H03F 3/45** (2006.01)

CPC (source: EP US)
H03F 1/30 (2013.01 - EP US); **H03F 3/45475** (2013.01 - EP US); **H03F 3/45991** (2013.01 - EP US); **H03F 2200/261** (2013.01 - EP US); **H03F 2200/504** (2013.01 - EP); **H03F 2203/45212** (2013.01 - EP US); **H03F 2203/45538** (2013.01 - EP US); **H03F 2203/45588** (2013.01 - EP US)

Citation (search report)
See references of WO 2005036733A2

Designated contracting state (EPC)
FR GB IE IT

DOCDB simple family (publication)
WO 2005036733 A2 20050421; **WO 2005036733 A3 20090305**; DE 10345100 A1 20050428; DE 10345100 B4 20120329; EP 1665521 A2 20060607; JP 2007534205 A 20071122; US 2007115047 A1 20070524; US 7327190 B2 20080205

DOCDB simple family (application)
EP 2004009457 W 20040824; DE 10345100 A 20030926; EP 04764434 A 20040824; JP 2006527290 A 20040824; US 57345504 A 20040824