

Title (en)  
AMPLIFIER

Title (de)  
VERSTÄRKER

Title (fr)  
AMPLIFICATEUR

Publication  
**EP 0750807 A1 19970102 (DE)**

Application  
**EP 96900940 A 19960111**

Priority  
• DE 19501236 A 19950117  
• EP 9600108 W 19960111

Abstract (en)  
[origin: DE19501236A1] In an amplifier which generates an input-voltage-proportional output voltage with peaks up to double the supply voltage of the push-pull final stages (10, 20) between the outputs (11, 21) of two push-pull final stages (10, 20), each of said push-pull final stages (10, 20) is controlled by a differential amplifier (12, 22) each with a positive and a negative differential input (13, 14, 24, 23), the polarity of which is defined so that the outputs of both push-pull final stages (10, 20) have voltages of the same polarity when there are equal voltages between the positive and negative differential inputs (13, 14; 24, 23), in which one differential input (24) of one differential amplifier (22) is connected with a differential input (14) of the other differential amplifier (22) of the same polarity. The other two different inputs (13, 23) of the differential amplifiers (12, 22) are intended for the application of a voltage proportional to the input voltage.

IPC 1-7  
**H03F 3/30**; **H03F 3/187**

IPC 8 full level  
**H03F 3/26** (2006.01); **H03F 3/18** (2006.01); **H03F 3/187** (2006.01); **H03F 3/30** (2006.01); **H03F 3/68** (2006.01)

CPC (source: EP KR US)  
**H03F 3/00** (2013.01 - KR); **H03F 3/187** (2013.01 - EP US); **H03F 3/3081** (2013.01 - EP US)

Citation (search report)  
See references of WO 9622631A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19501236 A1 19960801**; **DE 19501236 C2 19961114**; EP 0750807 A1 19970102; FI 963582 A0 19960911; FI 963582 A 19960911; JP 2856917 B2 19990210; JP H09504939 A 19970513; KR 100222256 B1 19991001; KR 970701944 A 19970412; US 5828267 A 19981027; WO 9622631 A1 19960725

DOCDB simple family (application)  
**DE 19501236 A 19950117**; EP 9600108 W 19960111; EP 96900940 A 19960111; FI 963582 A 19960911; JP 52202096 A 19960111; KR 19960704990 A 19960910; US 71615396 A 19960912