

Title (en)  
DIFFERENTIAL AMPLIFIER COMMON MODE VOLTAGE

Title (de)  
GLEICHTAKTSPANNUNG FÜR DIFFERENZVERSTÄRKER

Title (fr)  
TENSION DE MODE COMMUN D'AMPLIFICATEUR DIFFÉRENTIEL

Publication  
**EP 4385129 A1 20240619 (EN)**

Application  
**EP 22765666 A 20220815**

Priority

- US 202163232635 P 20210813
- US 202217828167 A 20220531
- US 2022040341 W 20220815

Abstract (en)  
[origin: WO2023019015A1] An amplifier (300) includes a first stage (302) and a second stage (304). The first stage (302) includes a first output, and a second output. The second stage (304) includes a first transistor (310), a second transistor (312), and a common-mode circuit (336). The first transistor (310) includes a drain coupled to the first output of the first stage (302). The second transistor (312) includes a drain coupled to the second output of the first stage. The common-mode circuit (336) includes a reversible current mirror circuit coupled to the drain of the first transistor (310) and the drain of the second transistor (312).

IPC 8 full level  
**H03F 3/45** (2006.01); **G05F 3/26** (2006.01); **H03F 3/30** (2006.01)

CPC (source: EP)  
**H03F 3/303** (2013.01); **H03F 3/45192** (2013.01); **H03F 3/45291** (2013.01); **H03F 3/4578** (2013.01); **H03F 2203/30009** (2013.01); **H03F 2203/45674** (2013.01); **H03F 2203/45708** (2013.01)

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2023019015 A1 20230216**; EP 4385129 A1 20240619

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