

Title (en)

ANALOGUE AMPLIFICATION DEVICE INTENDED IN PARTICULAR FOR A LASER ANEMOMETER

Title (de)

ANALOGUE VERSTÄRKUNGSVORRICHTUNG, INSBESONDERE FÜR EIN LASER-ANEMOMETER

Title (fr)

DISPOSITIF D'AMPLIFICATION ANALOGIQUE DESTINE NOTAMMENT A UN ANEMOMETRE LASER

Publication

EP 2888815 A1 20150701 (FR)

Application

EP 13773285 A 20130814

Priority

- FR 1257945 A 20120823
- FR 2013051944 W 20130814

Abstract (en)

[origin: WO2014029942A1] This analogue amplification device comprises -a first stage (28) with common-base transistor (36) receiving the modulated input current entering its emitter, and the output signal leaving this first stage corresponds to the signal of the collector, - a second stage (30) is formed by a follower amplifier comprising a transistor (38) with common drain or collector setup, a third stage (52) comprises a transistor (40) with common emitter setup, and - a fourth stage (34) is an amplifier stage with means making it possible to carry out, on the one hand, an amplification and, on the other hand, a matching of impedance. Application to a laser anemometer with optical retro-injection.

IPC 8 full level

H03F 3/08 (2006.01); **H03F 3/45** (2006.01); **H03F 3/50** (2006.01)

CPC (source: EP US)

G01P 5/26 (2013.01 - US); **H03F 1/56** (2013.01 - US); **H03F 3/087** (2013.01 - EP US); **H03F 3/45071** (2013.01 - US); **H03F 3/45475** (2013.01 - EP US); **H03F 3/50** (2013.01 - EP US); **H03F 2200/285** (2013.01 - EP US); **H03F 2200/405** (2013.01 - EP US); **H03F 2200/42** (2013.01 - EP US); **H03F 2200/54** (2013.01 - US); **H03F 2200/555** (2013.01 - EP US); **H03F 2200/69** (2013.01 - EP US); **H03F 2200/72** (2013.01 - EP US); **H03F 2203/45051** (2013.01 - US); **H03F 2203/45112** (2013.01 - US); **H03F 2203/45528** (2013.01 - EP US); **H03F 2203/45544** (2013.01 - EP US); **H03F 2203/45594** (2013.01 - EP US); **H03F 2203/5036** (2013.01 - EP US)

Citation (search report)

See references of WO 2014029942A1

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

DOCDB simple family (publication)

WO 2014029942 A1 20140227; CA 2881524 A1 20140227; CA 2881524 C 20210629; CN 104937840 A 20150923; EP 2888815 A1 20150701; FR 2994776 A1 20140228; FR 2994776 B1 20161223; US 2015233961 A1 20150820; US 9702891 B2 20170711

DOCDB simple family (application)

FR 2013051944 W 20130814; CA 2881524 A 20130814; CN 201380055269 A 20130814; EP 13773285 A 20130814; FR 1257945 A 20120823; US 201314423402 A 20130814