

Title (en)
DRIVE AMPLIFIER FOR POWER LINE COMMUNICATIONS

Publication
EP 0583398 A4 19970305 (EN)

Application
EP 92912752 A 19920507

Priority
US 69845591 A 19910510

Abstract (en)
[origin: WO9221177A1] A power line communications amplifier includes a first amplifier (23) which amplifies a transmit signal consistent within a first operating potential range, a second amplifier (52, 59, 61) which provides additional amplification of the transmit signal consistent within a second operating potential range, wherein the second range is larger than the first range, and a transformer (90) which is employed to couple the amplifier transmit signal output by the second amplifier (52, 59, 61) to the power line communications system. A feedback circuit (70, 71, 72) couples the output of the second amplifier (52, 59, 61) to the input of the first amplifier (23) and functions to maintain a low output impedance while the amplifier circuit operates in a transmit mode. Control circuit (14, 40) is coupled to the second amplifier (52, 59, 61) for switching the amplifier circuit from the transmit mode to a receive mode. While in the receive mode, the amplifier circuit presents a relatively high output impedance.

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IPC 8 full level
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CPC (source: EP)
H03F 3/3076 (2013.01); **H03F 3/72** (2013.01); **H04B 3/54** (2013.01); **H04B 2203/5425** (2013.01); **H04B 2203/5483** (2013.01); **H04B 2203/5495** (2013.01)

Citation (search report)

- [X] GB 1542629 A 19790321 - PLESSEY CO LTD
- [A] US 4637073 A 19870113 - SELIN JOHN R [US], et al
- See references of WO 9221177A1

Designated contracting state (EPC)
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US 9203806 W 19920507; AU 2005192 A 19920507; EP 92912752 A 19920507; GB 9322081 A 19931026