

Title (en)
One-channel circuit for hearing aid.

Title (de)
Einkanal-Schaltung für ein Hörgerät.

Title (fr)
Circuit monocanal pour aide auditive.

Publication
EP 0446195 B1 19941109 (DE)

Application
EP 91890015 A 19910128

Priority
AT 22890 A 19900202

Abstract (en)
[origin: EP0446195A2] A one-channel circuit for a hearing aid for persons hard of hearing, comprising a preamplifier and an output amplifier, a microphone and an earpiece, and a rectifier circuit for generating a control voltage for a voltage-dependent attenuator which follows the preamplifier. To provide an advantageous characteristic with respect to the voice comprehensibility over the entire gain range with such a circuit, it is provided that a voltage-controlled filter (4) is provided for signal-dependent frequency response changing, the control input of which is connected to the rectifier circuit (7), the voltage-controlled filter (4) being connected via a timing section (t2) to the rectifier circuit which is preferably constructed as full-wave rectifier circuit.

IPC 1-7
H04R 25/00

IPC 8 full level
H04R 25/00 (2006.01)

CPC (source: EP US)
H04R 25/502 (2013.01 - EP US)

Citation (examination)
AT 371306 B 19830627 - SIEMENS AG [DE]

Cited by
US5255320A; CN103458349A; EP0719071A1

Designated contracting state (EPC)
CH DE DK GB IT LI NL

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EP 0446195 A2 19910911; EP 0446195 A3 19921125; EP 0446195 B1 19941109; AT 403978 B 19980727; AT A22890 A 19940415; CA 2034176 A1 19910803; CA 2034176 C 19970715; DE 59103455 D1 19941215; DK 0446195 T3 19941205; US 5255320 A 19931019

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EP 91890015 A 19910128; AT 22890 A 19900202; CA 2034176 A 19910115; DE 59103455 T 19910128; DK 91890015 T 19910128; US 64491191 A 19910123