

Title (en)

DEVICE FOR MAINTAINING THE VOLTAGE OF A SINGLE OR MULTIPHASE AC SUPPLY MAINS SUBMITTED TO CHANGING LOADS AT A CONSTANT LEVEL

Publication

EP 0081752 A3 19830720 (DE)

Application

EP 82111132 A 19821202

Priority

DE 3149706 A 19811215

Abstract (en)

[origin: US4531086A] A device for stabilizing the voltage between two conductors of an a-c network comprises a thyristor switching circuit and a choke element connected in series between the conductors and in parallel to a control circuit. The control circuit activates the thyristor circuit to connect the two conductors upon detecting equality between a predetermined reference value and a sum of two areas under a half-wave portion of the voltage-time curve of the two conductors, the first area being measured by an integrator and extending from the beginning of the half-wave period to a current instant and the second area being calculated by analog arithmetic components and extending from the current instant to the end of the half-wave period.

IPC 1-7

G05F 1/44

IPC 8 full level

G05F 1/455 (2006.01); **G05F 1/44** (2006.01); **H02J 3/12** (2006.01)

CPC (source: EP US)

G05F 1/44 (2013.01 - EP US)

Citation (search report)

- [A] US 3435248 A 19690325 - GEIS EVERETT R
- [A] DE 2334040 B1 - SIEMENS AG

Designated contracting state (EPC)

BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0081752 A2 19830622; EP 0081752 A3 19830720; BR 8207283 A 19831018; CA 1196956 A 19851119; DE 3149706 A1 19830721; JP S58107919 A 19830627; US 4531086 A 19850723

DOCDB simple family (application)

EP 82111132 A 19821202; BR 8207283 A 19821214; CA 417669 A 19821214; DE 3149706 A 19811215; JP 22002582 A 19821214; US 44633482 A 19821202