

Title (en)

Apparatus for controlling the voltage drop across an appliance.

Title (de)

Vorrichtung zur Regelung einer an einem Verbraucher abfallenden Spannung.

Title (fr)

Appareil pour réguler la chute de tension aux bornes d'un utilisateur.

Publication

**EP 0653693 A3 19950830 (DE)**

Application

**EP 94112798 A 19940817**

Priority

DE 4335687 A 19931020

Abstract (en)

[origin: EP0653693A2] A device for controlling the voltage drop across an appliance, particularly an electromagnetic appliance, is described. The appliance and a controlling element are connected in series between earth and supply voltage. First means provide an actual current which corresponds to the voltage present across the appliance. Second means define a nominal current. Control means define a quantity to be applied to the controlling element in dependence on a comparison of the actual current with the nominal current. <IMAGE>

IPC 1-7

**G05F 3/26**

IPC 8 full level

**F02D 45/00** (2006.01); **F02D 41/20** (2006.01); **G05F 1/56** (2006.01); **G05F 3/26** (2006.01)

CPC (source: EP US)

**F02D 41/20** (2013.01 - EP US); **G05F 3/267** (2013.01 - EP US); **F02D 2041/2017** (2013.01 - EP US); **F02D 2041/2058** (2013.01 - EP US)

Citation (search report)

- [A] US 5175489 A 19921229 - MIZUIDE YASUO [JP]
- [A] DE 3405599 A1 19850822 - SIEMENS AG [DE]

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**DE 4335687 A1 19950427**; DE 59409968 D1 20020103; EP 0653693 A2 19950517; EP 0653693 A3 19950830; EP 0653693 B1 20011121; ES 2168281 T3 20020616; JP 3638318 B2 20050413; JP H07279741 A 19951027; US 5572111 A 19961105

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**DE 4335687 A 19931020**; DE 59409968 T 19940817; EP 94112798 A 19940817; ES 94112798 T 19940817; JP 25223194 A 19941018; US 31180194 A 19940926