

Title (en)  
Linear voltage regulator

Title (de)  
Linearer Spannungsregler

Title (fr)  
Régulateur de tension linéaire

Publication  
**EP 1380913 B1 20171122 (FR)**

Application  
**EP 03300056 A 20030709**

Priority  
FR 0208624 A 20020709

Abstract (en)  
[origin: EP1380913A1] The linear regulator (30) has a control unit (35) and output circuit (31) to supply a load (1) and smoothing capacitor (11). The output circuit consists of two MOS transistors (32,33) which supply an output terminal (OUT) and are controlled by connections to their grids (G1,G2) from the input/output stage (36) of the control unit. The input/output stage uses data from a reference unit (37) and the output circuit for regulation

IPC 8 full level  
**G05F 1/56** (2006.01); **G05F 3/24** (2006.01); **G05F 3/26** (2006.01)

CPC (source: EP US)  
**G05F 1/56** (2013.01 - EP US); **G05F 3/242** (2013.01 - EP US); **G05F 3/247** (2013.01 - EP US); **G05F 3/262** (2013.01 - EP US)

Citation (examination)  
EP 1061428 A1 20001220 - ST MICROELECTRONICS SRL [IT]

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1380913 A1 20040114; EP 1380913 B1 20171122**; FR 2842316 A1 20040116; US 2004008015 A1 20040115; US 6894467 B2 20050517

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**EP 03300056 A 20030709**; FR 0208624 A 20020709; US 61438003 A 20030707