

Title (en)  
LONGITUDINAL VOLTAGE REGULATOR

Title (de)  
LÄNGSSPANNUNGSREGLER

Title (fr)  
DISPOSITIF DE RÉGLAGE DE TENSION LONGITUDINALE

Publication  
**EP 3336650 B1 20230301 (DE)**

Application  
**EP 16204981 A 20161219**

Priority  
EP 16204981 A 20161219

Abstract (en)  
[origin: WO2018114714A1] The invention relates to a longitudinal voltage regulator which comprises a voltage source for generating an additional voltage and a transformer for coupling the additional voltage into an input voltage, wherein the transformer is designed both to generate the additional voltage and also to couple the additional voltage into the input voltage.

IPC 8 full level  
**G05F 1/14** (2006.01)

CPC (source: EP KR US)  
**G05F 1/14** (2013.01 - EP KR US); **G05F 1/24** (2013.01 - US)

Citation (examination)  
• CN 2814480 Y 20060906 - LI MIN [CN]  
• EP 0637122 A1 19950201 - WORLD LIMITED CO LTD [JP]  
• US 5568398 A 19961022 - TRAINOR JOHN J [US]  
• EP 2390750 A1 20111130 - CSKK HKG LTD [CN], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3336650 A1 20180620; EP 3336650 B1 20230301**; CN 110073306 A 20190730; CN 110073306 B 20210326; DK 3336650 T3 20230530; ES 2941248 T3 20230519; KR 102372114 B1 20220307; KR 20190094357 A 20190813; PL 3336650 T3 20230703; US 10866604 B2 20201215; US 2019302814 A1 20191003; WO 2018114714 A1 20180628

DOCDB simple family (application)  
**EP 16204981 A 20161219**; CN 201780078797 A 20171215; DK 16204981 T 20161219; EP 2017083141 W 20171215; ES 16204981 T 20161219; KR 20197016353 A 20171215; PL 16204981 T 20161219; US 201916442577 A 20190617