

Title (en)
ADJUSTMENT OF VOLTAGE REGULATOR BASED ON POWER STATE

Title (de)
EINSTELLUNG EINES SPANNUNGSREGLERS BASIEREND AUF DEM LEISTUNGSSTATUS

Title (fr)
RÉGLAGE D'UN RÉGULATEUR DE TENSION EN FONCTION D'UN ÉTAT D'ALIMENTATION

Publication
EP 3238006 A1 20171101 (EN)

Application
EP 15874157 A 20151217

Priority
• IN 6511CH2014 A 20141223
• US 2015066319 W 20151217

Abstract (en)
[origin: WO2016106070A1] In an embodiment, a processor includes a plurality of processing cores; a plurality of integrated voltage regulators (IVRs), and voltage regulator logic. Each IVR may be uniquely associated with one of the plurality of processing cores and comprising a plurality of bridge transistors. The voltage regulator logic may be to: monitor power state information of the core; determine, based on the power state information, whether the core has transitioned from a first power state to a second power state; and in response to a determination that the core has transitioned from the first power state to the second power state, adjust at least one of a bridge activation level of the IVR and a switching frequency of the IVR based at least on the second power state. Other embodiments are described and claimed.

IPC 8 full level
G06F 1/32 (2006.01); **G06F 1/26** (2006.01)

CPC (source: CN EP US)
G06F 1/26 (2013.01 - CN EP); **G06F 1/3206** (2013.01 - CN EP); **G06F 1/3243** (2013.01 - CN EP); **G06F 1/3287** (2013.01 - CN EP);
G06F 1/3296 (2013.01 - CN EP US); **Y02D 10/00** (2017.12 - EP US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016106070 A1 20160630; CN 107077180 A 20170818; CN 107077180 B 20211119; EP 3238006 A1 20171101; EP 3238006 A4 20180725

DOCDB simple family (application)
US 2015066319 W 20151217; CN 201580063851 A 20151217; EP 15874157 A 20151217