

Title (en)
CIRCUIT UNIT

Title (de)
SCHALTUNGSEINHEIT

Title (fr)
UNITE DE COMMUTATION

Publication
EP 2027755 A1 20090225 (DE)

Application
EP 07729882 A 20070605

Priority
• EP 2007055497 W 20070605
• DE 102006026938 A 20060609

Abstract (en)
[origin: WO2007141254A1] The invention relates to a circuit unit for a semiconductor unit which produces radiation, with a forward voltage $U_{f</SUB>}$ being applied during operation to the semiconductor unit which produces radiation, and with a forward current $I_{f</SUB>}$ flowing through the semiconductor unit which produces radiation, with the circuit unit regulating the forward current $I_{f</SUB>}$ such that an actual value $V_{act</SUB>}$ which depends on the forward current $I_{f</SUB>}$ and the forward voltage $U_{f</SUB>}$ assumes a predetermined nominal value $V_{nom</SUB>}$. The invention also relates to a radiation source.

IPC 8 full level
H01L 33/00 (2010.01); **H05B 44/00** (2022.01)

CPC (source: EP KR US)
H05B 45/10 (2020.01 - EP US); **H05B 45/37** (2020.01 - EP US); **H05B 45/3725** (2020.01 - EP US); **Y02B 20/30** (2013.01 - KR)

Citation (search report)
See references of WO 2007141254A1

Cited by
GB2444387B

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
DE 102006026938 A1 20071213; CN 101467491 A 20090624; CN 101467491 B 20110216; EP 2027755 A1 20090225; JP 2009540554 A 20091119; KR 20090023677 A 20090305; TW 200806082 A 20080116; US 2009128050 A1 20090521; US 8044607 B2 20111025; WO 2007141254 A1 20071213

DOCDB simple family (application)
DE 102006026938 A 20060609; CN 200780021484 A 20070605; EP 07729882 A 20070605; EP 2007055497 W 20070605; JP 2009513672 A 20070605; KR 20097000365 A 20090108; TW 96120437 A 20070607; US 22726907 A 20070605