

Title (en)

SWITCHING TRANSISTOR WITH REDUCED SWITCHING LOSSES

Title (de)

GESCHALTETES NETZTEIL MIT REDUZIERTEN SCHALTVERLUSTEN

Title (fr)

ALIMENTATION A DECOUPAGE PRESENTANT DES PERTES DE COMMUTATION REDUITES

Publication

EP 1119876 A2 20010801 (DE)

Application

EP 99969183 A 19990910

Priority

- DE 9902874 W 19990910
- DE 19841754 A 19980911

Abstract (en)

[origin: DE19841754A1] The invention relates to a switching transistor presenting reduced switching losses. In said switching transistor output capacitance is very high when drain/source voltages are low. As the drain/source voltage increases said capacitance falls to such low values that the energy stored in the transistor becomes very low.

IPC 1-7

H01L 29/78; **H02M 3/155**

IPC 8 full level

H01L 27/04 (2006.01); **H01L 21/822** (2006.01); **H01L 21/8234** (2006.01); **H01L 27/06** (2006.01); **H01L 29/10** (2006.01); **H01L 29/78** (2006.01); **H02M 3/00** (2006.01); **H03K 17/0814** (2006.01); **H03K 17/695** (2006.01)

CPC (source: EP US)

H01L 29/0634 (2013.01 - EP US); **H01L 29/0847** (2013.01 - US); **H01L 29/1095** (2013.01 - EP US); **H01L 29/7802** (2013.01 - EP US); **H01L 29/7816** (2013.01 - EP US); **H03K 17/08142** (2013.01 - EP US)

Citation (search report)

See references of WO 0016407A2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19841754 A1 20000330; EP 1119876 A2 20010801; JP 2002525853 A 20020813; US 2001050549 A1 20011213; US 6388287 B2 20020514; US RE40352 E 20080603; WO 0016407 A2 20000323; WO 0016407 A3 20001109

DOCDB simple family (application)

DE 19841754 A 19980911; DE 9902874 W 19990910; EP 99969183 A 19990910; JP 2000570842 A 19990910; US 80432501 A 20010312; US 84699804 A 20040514