

Title (en)
A SYNCHRONOUS FLYBACK CONVERTER

Title (de)
SYNCHRONER SPERRWANDLER

Title (fr)
CONVERTISSEUR INDIRECT SYNCHRONE

Publication
EP 1145415 A1 20011017 (EN)

Application
EP 99964889 A 19991216

Priority
• SE 9902390 W 19991216
• SE 9804454 A 19981221

Abstract (en)
[origin: WO0038305A1] In a continuous mode flyback converter having a synchronous switch (Q2) the drive pulse to the switch (Q2) on the secondary side is generated by an inverting buffer circuit being fed from the output voltage terminal. By using such an arrangement several advantages are obtained. Hence, the pulse generating circuit arrangement generates a drive signal to the synchronous switch which is independent of the input voltage and the drive losses can thereby be minimized.

IPC 1-7
H02M 3/335

IPC 8 full level
H02M 7/12 (2006.01); **H02M 3/28** (2006.01); **H02M 3/335** (2006.01); **H02M 7/21** (2006.01)

IPC 8 main group level
H02M (2006.01)

CPC (source: EP KR SE)
H02M 3/28 (2013.01 - KR); **H02M 3/33592** (2013.01 - EP SE)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0038305 A1 20000629; **WO 0038305 A9 20001207**; AU 3092000 A 20000712; CA 2356187 A1 20000629; CN 1135682 C 20040121; CN 1331863 A 20020116; EP 1145415 A1 20011017; HK 1043447 A1 20020913; HK 1043447 B 20041203; JP 2002534049 A 20021008; KR 20010093856 A 20011029; SE 517220 C2 20020507; SE 9804454 D0 19981221; SE 9804454 L 20000622; TW 456096 B 20010921

DOCDB simple family (application)
SE 9902390 W 19991216; AU 3092000 A 19991216; CA 2356187 A 19991216; CN 99814777 A 19991216; EP 99964889 A 19991216; HK 02105160 A 20020711; JP 2000590281 A 19991216; KR 20017007808 A 20010620; SE 9804454 A 19981221; TW 88116943 A 19991001