

Title (en)  
SWITCHING TRANSFORMER

Title (de)  
SCHALTWANDLER

Title (fr)  
CONVERTISSEUR DE COMMUTATION

Publication  
**EP 1290777 A2 20030312 (DE)**

Application  
**EP 01942860 A 20010612**

Priority  
• AT 0100194 W 20010612  
• AT 10522000 A 20000616

Abstract (en)  
[origin: WO0197368A2] The invention relates to a switching converter for converting an input direct current (UE) into an output direct current (UA). Said converter is provided with at least two primary windings (L1... L4; W1, W2) of a transformer (Tr) and each primary winding is connected to an input capacitor (C1... C4; C11 + C12; C21 + C22) by means of at least one controlled switch (T1... T4; T11... T22). The input capacitors are connected to the input direct current (UE), together with the series connections of the primary windings with their controlled switches that are connected in series. A control circuit (AST) is configured to simultaneously open or close all the controlled switches.

IPC 1-7  
**H02M 3/335**

IPC 8 full level  
**H02M 1/08** (2006.01); **H02M 3/335** (2006.01)

CPC (source: EP US)  
**H02M 1/08** (2013.01 - EP US); **H02M 3/3353** (2013.01 - EP US); **H02M 1/0074** (2021.05 - EP US)

Citation (search report)  
See references of WO 0197368A2

Designated contracting state (EPC)  
AT BE CH CY DE IT LI

DOCDB simple family (publication)  
**WO 0197368 A2 20011220; WO 0197368 A3 20020620; CN 1436394 A 20030813; EP 1290777 A2 20030312; US 2004022080 A1 20040205**

DOCDB simple family (application)  
**AT 0100194 W 20010612; CN 01811129 A 20010612; EP 01942860 A 20010612; US 31164703 A 20030606**