

Title (en)
TRANSFORMER

Title (de)
TRANSFORMATOR

Title (fr)
TRANSFORMATEUR

Publication
EP 1559120 A1 20050803 (EN)

Application
EP 03809714 A 20030814

Priority
• KP 20023217 A 20021030
• EP 0309044 W 20030814

Abstract (en)
[origin: WO2004040600A1] The invention relates to a transformer including a first (1), a second (2) and a third (3) leg which are aligned in parallel and are magnetically connected, having at least a first primary winding (4) and at least two secondary windings (5, 6). Each of the windings are carried by a different leg, whereby the legs are arranged in a sequence and one of the secondary windings is located between the other two legs. The two legs are connected with a capacity (7) and thus form a resonance circuit. The magnetic connection between the two secondary windings differs from the magnetic connections between the primary and each of the secondary connections. The flux excited by the first secondary winding is anti-parallel to the flux excited by produced by the second secondary winding. A supply voltage can be supplied at the primary winding and the transformer provides a current and a voltage at the secondary windings.

IPC 1-7
H01F 29/14; **H01F 27/38**

IPC 8 full level
H01F 27/38 (2006.01); **H01F 29/14** (2006.01); **H01F 38/08** (2006.01)

CPC (source: EP)
H01F 27/38 (2013.01); **H01F 29/14** (2013.01); **H01F 38/085** (2013.01)

Citation (search report)
See references of WO 2004040600A1

Cited by
USRE47423E; US10770981B2; US10951123B2

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

DOCDB simple family (publication)
WO 2004040600 A1 20040513; AT E383651 T1 20080115; AU 2003260419 A1 20040525; AU 2003260419 A8 20040525; CN 100487834 C 20090513; CN 1695214 A 20051109; DE 60318607 D1 20080221; DE 60318607 T2 20080605; EP 1559120 A1 20050803; EP 1559120 B1 20080109; RU 2005116231 A 20060310; RU 2328051 C2 20080627

DOCDB simple family (application)
EP 0309044 W 20030814; AT 03809714 T 20030814; AU 2003260419 A 20030814; CN 03824810 A 20030814; DE 60318607 T 20030814; EP 03809714 A 20030814; RU 2005116231 A 20030814