

Title (en)  
MAGNETIC TAP CHANGER

Title (de)  
MAGNETISCHER STUFENSCHALTER

Title (fr)  
CHANGEUR DE PRISES MAGNETIQUE

Publication  
**EP 1051716 A2 20001115 (EN)**

Application  
**EP 98946763 A 19980929**

Priority  
• SE 9801747 W 19980929  
• SE 9703561 A 19970930

Abstract (en)  
[origin: WO9917313A2] An induction controlled voltage regulator, primarily for high-voltage regulation, includes a magnetic circuit based upon a core (1) having one or more flux paths or legs (2) surrounded by high and low voltage windings (3, 15). The leg (2) is divided in at least two branches (2A, 2B), at least one (2B) of which includes a regulation arrangement with a zone (5) of amendable permeability. The amendment of the permeability may be made by a magnetic rod (4) being movable into and out from the zone (5) formed as an airgap. Another embodiment for such an amendment includes the use of a regulator winding acting on the magnetic flux passing through the leg branch (2B). A compensator winding can be arranged around the leg branch (2B) involving the zone (5) of amendable permeability. The compensator winding is electrically connected in series with capacitor means. At least one of the windings is wound by a high-voltage cable comprising a conductor surrounded by an inner semiconductor, an insulator layer and an outer semiconductor.

IPC 1-7  
**H01F 29/00**

IPC 8 full level  
**H01F 27/24** (2006.01); **H01F 27/32** (2006.01); **H01F 29/14** (2006.01)

CPC (source: EP KR)  
**H01F 29/00** (2013.01 - KR); **H01F 29/14** (2013.01 - EP)

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

DOCDB simple family (publication)  
**WO 9917313 A2 19990408; WO 9917313 A3 19990624**; AP 2000001763 A0 20000331; AU 733243 B2 20010510; AU 9371298 A 19990423; CA 2305420 A1 19990408; CN 1272215 A 20001101; EP 1051716 A2 20001115; HU P0004517 A2 20010528; HU P0004517 A3 20010628; JP 2001518699 A 20011016; KR 20010052085 A 20010625; NO 20001265 D0 20000310; NO 20001265 L 20000310; OA 11364 A 20031217; PL 339943 A1 20010115; SE 511961 C2 19991220; SE 9703561 D0 19970930; SE 9703561 L 19990331

DOCDB simple family (application)  
**SE 9801747 W 19980929**; AP 2000001763 A 19980929; AU 9371298 A 19980929; CA 2305420 A 19980929; CN 98809668 A 19980929; EP 98946763 A 19980929; HU P0004517 A 19980929; JP 2000514288 A 19980929; KR 20007003467 A 20000330; NO 20001265 A 20000310; OA 1200000085 A 20000324; PL 33994398 A 19980929; SE 9703561 A 19970930