

Title (en)
INDUCTION CONTROLLED VOLTAGE REGULATOR

Title (de)
INDUKTIONSGESTEUERTER SPANNUNGSREGLER

Title (fr)
REGULATEUR DE TENSION A INDUCTION COMMANDEE

Publication
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Application
EP 98946762 A 19980929

Priority
• SE 9801746 W 19980929
• SE 9703560 A 19970930

Abstract (en)
[origin: WO9917316A2] An induction controlled voltage regulator, primarily for high voltage regulation, includes a magnetic circuit based upon a metallic core (1) having two or more flux paths or legs (2) with at least one main winding (3) supplying the output voltage (U). Furthermore the voltage regulator includes at least one magnetizable regulation leg (4) with a zone (5) of reduced permeability. The regulation leg is surrounded by a regulation winding (6) connected to a variable capacitor (8). At least one of said windings, or a part thereof, is wound by a high voltage cable comprising at least one current-carrying conductor surrounded by at least a first layer having semiconducting properties, a solid insulating layer and a second layer having semiconducting properties.

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IPC 8 full level
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CPC (source: EP)
H01F 27/288 (2013.01); **H01F 29/146** (2013.01)

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