

Title (en)

High voltage starting circuit for igniting and operating AC powered high pressure discharge lamps in vehicles.

Title (de)

Hochspannungs-Zündübertrager zum Zünden und Betreiben von Wechselstrom-Hochdruck-Gasentladungslampen in Kraftfahrzeugen.

Title (fr)

Starter haute-tension pour amorcer et alimenter en courant alternatif des lampes à décharge haute-pressure sur des véhicules.

Publication

EP 0515958 B1 19950315 (DE)

Application

EP 92108468 A 19920520

Priority

DE 4117288 A 19910527

Abstract (en)

[origin: EP0515958A1] In a high-voltage starting transformer for starting and operating AC high-pressure gas-discharge lamps in motor vehicles, having a core, having a primary winding which surrounds the core and consists of a foil, and having a secondary winding which surrounds the core and consists of a foil, an insulating film being arranged between the individual layers of the primary winding and of the secondary winding, in order that the high-voltage starting transformer has a secondary inductance which is independent of current, has as small a size as possible and has as high an efficiency as possible with a simple and cost-effective winding construction which is suitable for high-voltage, the core is constructed as an elongated core consisting of a soft-magnetic ferrite material, and the core has a cross-sectional area and the secondary winding a number of turns such that the core is unsaturated in all operating conditions. <IMAGE>

IPC 1-7

H05B 41/04; **H01F 38/10**

IPC 8 full level

H01F 38/10 (2006.01); **H05B 41/04** (2006.01)

CPC (source: EP)

H01F 38/10 (2013.01); **H05B 41/042** (2013.01)

Citation (examination)

- WO 9010154 A1 19900907 - DUCATI ENERGIA SPA [IT]
- EP 0321416 A1 19890621 - MAGNETI MARELLI SPA [IT]

Cited by

WO2007087818A1; EP1635619A3; EP0884933A3; FR2838912A1; EP1063870A1; FR2795281A1; US7855625B2; US7528693B2; US6366023B1; US6181081B1; US7760061B2; WO9853647A1; WO9601550A1

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