

Title (en)  
LASER GAPPING OF MAGNETIC CORES

Title (de)  
VERFAHREN ZUR SPALTUNG MITTELS LASER VON MAGNETKERNEN

Title (fr)  
FORMATION AU LASER D'ENTREFERS DANS DES TORES MAGNETIQUES

Publication  
**EP 1212774 A4 20020814 (EN)**

Application  
**EP 00905805 A 20000131**

Priority  
• US 0002231 W 20000131  
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• US 31002599 A 19990511

Abstract (en)  
[origin: WO0054302A1] A method for gapping a ferrite core (10) by coating the core with a stabilizing material (32), fracturing the core with a laser beam (44) thereby creating one or more gaps (47) in the cores magnetic field, optionally opening the fracture to obtain a desired inductance, and then sealing the core.

IPC 1-7  
**H01J 3/08**; **H01F 41/02**

IPC 8 full level  
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CPC (source: EP)  
**H01F 41/0206** (2013.01); **H01F 3/14** (2013.01)

Citation (search report)  
• [A] EP 0775765 A2 19970528 - VLT CORP [US]  
• [A] GB 2284102 A 19950524 - DOYLE ANTHONY JAMES [GB]  
• [A] EP 0167293 A1 19860108 - STANDEX INT CORP [US]  
• [A] PATENT ABSTRACTS OF JAPAN vol. 004, no. 162 (E - 033) 12 November 1980 (1980-11-12)  
• See references of WO 0054302A1

Designated contracting state (EPC)  
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**US 0002231 W 20000131**; AU 2743000 A 20000131; EP 00905805 A 20000131; HK 02108993 A 20021212