

Title (en)
MAGNETIC FIELD-GENERATING DEVICE

Publication
EP 0191392 B1 19890517 (DE)

Application
EP 86101356 A 19860203

Priority
DE 3505281 A 19850215

Abstract (en)
[origin: US4740758A] Apparatus for generating a magnetic field having a spatially predetermined field pattern in a useful volume, where bodies of ferro-magnetic material influencing the field pattern are disposed in the useful volume. To assure a spatially predetermined field pattern in the useful volume with only small field errors, outside and on opposite sides of the useful volume at least one thin plate-shaped body of predetermined geometric extent comprising a material having high permeability is provided, of which the surfaces facing the useful volume are shaped and arranged so that the surfaces lie on a magnetic equipotential surface of the magnetic field to be generated in the useful volume.

IPC 1-7
G21K 1/08; **H01F 7/20**; **H05H 7/04**

IPC 8 full level
B01D 59/48 (2006.01); **G21K 1/08** (2006.01); **G21K 1/093** (2006.01); **H01F 6/00** (2006.01); **H01F 7/20** (2006.01); **H05H 7/04** (2006.01)

CPC (source: EP US)
G21K 1/093 (2013.01 - EP US); **H01F 7/20** (2013.01 - EP US); **H05H 7/04** (2013.01 - EP US)

Cited by
EP0276123A3

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0191392 A2 19860820; **EP 0191392 A3 19861210**; **EP 0191392 B1 19890517**; DE 3505281 A1 19860821; DE 3663412 D1 19890622; JP S61188907 A 19860822; US 4740758 A 19880426

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EP 86101356 A 19860203; DE 3505281 A 19850215; DE 3663412 T 19860203; JP 2874086 A 19860212; US 82610586 A 19860205