

Title (en)

DIRECT-CURRENT ELECTROMAGNET, IN PARTICULAR FOR AN ELECTRIC COMMUTATOR DEVICE

Publication

EP 0170562 B1 19880601 (FR)

Application

EP 85401275 A 19850625

Priority

FR 8411704 A 19840724

Abstract (en)

[origin: ES8608721A1] A DC current electromagnet is provided developing a high pulling force with reduced current consumption. This electromagnet has the form of a cylindrical pot and comprises a mobile armature which slides along a yoke piece through a closure air gap -e, S-, whose reluctance is low with respect to the reluctance of the working air gap -E, s- when this latter is open and substantially constant during movement.

IPC 1-7

H01F 7/16

IPC 8 full level

H01H 51/00 (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)

H01F 7/1607 (2013.01 - EP US); **H01F 7/1638** (2013.01 - EP US)

Cited by

DE10005953A1; DE4108601A1; DE4108601C2; FR2664737A1; EP2054907B1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0170562 A1 19860205; EP 0170562 B1 19880601; AT E34869 T1 19880615; DE 3563138 D1 19880707; DK 160380 B 19910304; DK 160380 C 19910812; DK 333585 A 19860125; DK 333585 D0 19850722; ES 545485 A0 19860616; ES 8608721 A1 19860616; FR 2568402 A1 19860131; FR 2568402 B1 19870220; JP H0785449 B2 19950913; JP S6140010 A 19860226; KR 860001497 A 19860226; KR 890002043 B1 19890608; NO 168008 B 19910923; NO 168008 C 19920102; NO 852875 L 19860127; US 4633209 A 19861230

DOCDB simple family (application)

EP 85401275 A 19850625; AT 85401275 T 19850625; DE 3563138 T 19850625; DK 333585 A 19850722; ES 545485 A 19850723; FR 8411704 A 19840724; JP 16499085 A 19850724; KR 850005281 A 19850724; NO 852875 A 19850718; US 75662285 A 19850719