

Title (en)
MAGNETIC DOOR CATCHES

Publication
EP 0049580 B1 19840502 (EN)

Application
EP 81304312 A 19810921

Priority
GB 8032033 A 19801003

Abstract (en)
[origin: EP0049580A1] A magnetic door catch (10, 20), for a door (100) and frame (301) assembly of an oven, has a first magnetic member (10) slidable in a housing (102), on the door (100), against resistance supplied by a leaf spring (204). The member (10) has opposed pole pieces (12, 13) to attract a striking plate (20) on the frame (301). The pole pieces (12, 13) are dimensioned so that there is substantially no variation in the magnetic force between the member (10) and the plate (20) with change in temperature of the oven. The plate (20) is resiliently mounted on rods (302,303) by helical-coiled springs (S, S.) Alternatively, the housing (102) may be resiliently mounted.

IPC 1-7
E05C 19/16; **F24C 15/02**; **H01F 7/02**

IPC 8 full level
E05C 19/16 (2006.01); **F24C 15/02** (2006.01); **H01F 7/02** (2006.01)

CPC (source: EP)
E05C 19/16 (2013.01); **F24C 15/022** (2013.01); **H01F 7/0242** (2013.01)

Cited by
US4981312A; EP1705428A3; US2008258479A1; WO2013173660A3

Designated contracting state (EPC)
BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0049580 A1 19820414; **EP 0049580 B1 19840502**; DE 3163406 D1 19840607; DK 438281 A 19820404; ES 273285 U 19831116; ES 273285 Y 19840601; JP S5785468 A 19820528

DOCDB simple family (application)
EP 81304312 A 19810921; DE 3163406 T 19810921; DK 438281 A 19811002; ES 273285 U 19811002; JP 15471581 A 19810929