

Title (en)
ELECTROMAGNETIC HOLDING OR RELEASE DEVICE

Publication
EP 0051231 B1 19840919 (DE)

Application
EP 81108858 A 19811024

Priority
AT 541780 A 19801104

Abstract (en)
[origin: EP0051231A1] 1. Holding magnet release of high sensitivity having a yoke body made of two ferromagnetic sheets (4, 5), extending in parallel with each other, and spaced by non-ferromagnetic material and/or air, respectively, and provided with, at least, one window (2a) for, at least, one exciting winding (2), wherein the excitation flux closes without air-gap and which comprises a considerable reduction of the cross-section for the excitation flux at that location, where the releasing armature (3) is supported, and having an arrangement of permanent magnets, bridging the yoke sheets (4, 5), for the generation of the holding flux, adjustable in its height, of the release, characterized in that the arrangement of permanent magnets consists of, at least, two separate permanent magnets (1a, 1b), a first magnet (1a) of which, providing a basis flux of a determined height, is arranged stationarily in regard to the yoke sheets (4, 5), and a second magnet (1b) is arranged movably in regard to the two yoke sheets (4, 5) in such a manner that same provides a flux component, adjustable in its height and optionally increasing or decreasing the basis flux.

IPC 1-7
H01H 71/32

IPC 8 full level
H01H 71/32 (2006.01)

CPC (source: EP)
H01H 71/321 (2013.01)

Cited by
EP2881967A1; EP0786789A3; EP0316295A3; EP0829895A3

Designated contracting state (EPC)
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EP 0051231 A1 19820512; EP 0051231 B1 19840919; AT 372217 B 19830912; AT A541780 A 19830115; DE 3166197 D1 19841025

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