

Title (en)  
MAGNETIC MODULATED-FLUX ACTUATOR

Publication  
**EP 0012812 B1 19820609 (DE)**

Application  
**EP 79104182 A 19791029**

Priority  
US 97429778 A 19781229

Abstract (en)  
[origin: ES486094A1] Magnetic actuator arrangement in which the actuator or armature is retained in a cocked position by unidirectional magnetic flux having a density that cyclically varies in magnitude with time and is released by selective energization of a bucking coil to counteract the retention flux when the flux density is less than maximum. The modulated retaining flux may be made sufficient at its maximum density to retract the released actuator to the cocked position.

IPC 1-7  
**H01F 7/08**; **H01H 71/32**; **H01H 36/00**; **B41J 9/36**

IPC 8 full level  
**B41J 9/24** (2006.01); **B41J 9/36** (2006.01); **H01F 7/04** (2006.01); **H01F 7/08** (2006.01); **H02K 33/00** (2006.01); **H01H 36/00** (2006.01); **H01H 71/32** (2006.01); **H01F 7/123** (2006.01)

CPC (source: EP US)  
**B41J 9/36** (2013.01 - EP US); **H01F 7/08** (2013.01 - EP US); **H01H 36/008** (2013.01 - EP US); **H01H 71/32** (2013.01 - EP US); **H01F 7/123** (2013.01 - EP US)

Cited by  
BE1002370A3

Designated contracting state (EPC)  
BE CH DE FR GB NL

DOCDB simple family (publication)  
**EP 0012812 A1 19800709**; **EP 0012812 B1 19820609**; AU 527711 B2 19830317; AU 5353779 A 19800703; BR 7908368 A 19800826; CA 1124779 A 19820601; DE 2963079 D1 19820729; ES 486094 A1 19800616; IT 1165400 B 19870422; IT 7928238 A0 19791220; JP S5591809 A 19800711; JP S591055 B2 19840110; US 4242658 A 19801230

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**EP 79104182 A 19791029**; AU 5353779 A 19791206; BR 7908368 A 19791220; CA 338911 A 19791031; DE 2963079 T 19791029; ES 486094 A 19791119; IT 2823879 A 19791220; JP 14661779 A 19791114; US 97429778 A 19781229