

Title (en)  
Electromagnetic actuator.

Title (de)  
Elektromagnetische Betätigungsverrichtung.

Title (fr)  
Dispositif d'actionnement électromagnétique.

Publication  
**EP 0324262 A1 19890719 (EN)**

Application  
**EP 88312165 A 19881222**

Priority  
GB 8800691 A 19880113

Abstract (en)  
An electromagnetic actuator for use in conjunction with an internal combustion engine starter motor, the actuator comprising an electromagnet winding (17), an armature (23) for connection to the pinion assembly of a starter motor in use, said armature (23) being movable by energization of said winding (17) and first and second spaced, fixed, electrical contacts (27, 28). A bridging contact (41) is movable against the action of a return spring (31) to bridge said fixed contacts (27, 28) in response to movement of said armature (23), and an electrically conductive, resilient, bridging element (46) is movable with said bridging contact (41). The element is so shaped that during the movement of the bridging contact (41) the element (46) engages said first and second fixed contacts (27, 28) before the bridging contact (41) and thereafter flexes during movement of the bridging contact (41) to permit the bridging contact (41) also to bridge the first and second fixed contacts (27, 28).

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**F02N 15/00**; **H01H 1/50**; **H01H 51/06**

IPC 8 full level  
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CPC (source: EP)  
**F02N 15/00** (2013.01); **H01H 1/50** (2013.01); **H01H 51/065** (2013.01)

Citation (search report)  
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• [A] US 3349201 A 19671024 - DAVIS ALLEN V C  
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