

Title (en)

Electromagnetic actuator with lamination stack-housing dovetail connection

Title (de)

Elektromagnetischer Betätiger mit schwalbenschwanzförmiger Blechpaket-Gehäuse Verbindung

Title (fr)

Actionneur électromagnétique avec paquet de tôles et boîtier connectés en queue d'aronde

Publication

**EP 0921536 A1 19990609 (EN)**

Application

**EP 98123223 A 19981207**

Priority

- US 6914497 P 19971209
- US 20437698 A 19981202

Abstract (en)

A method of joining a lamination stack of an electromagnetic actuator to a housing of the actuator includes providing a lamination stack having at least one surface feature. A mold is provided to define the housing. The lamination stack is inserted into the mold such that the surface feature of the lamination stack will define a mating surface feature in the housing. Material is cast around at least a portion of lamination stack to define the housing such that the surface feature of the lamination stack is engaged with the surface feature of the housing, thereby joining the lamination stack to the housing. The assembly of the lamination stack and housing is then removed from the mold. <IMAGE>

IPC 1-7

**H01F 7/06**; **H01F 7/08**; **F01L 9/04**; **H01F 7/16**

IPC 8 full level

**F01L 9/20** (2021.01); **F16K 31/06** (2006.01); **H01F 3/02** (2006.01); **H01F 7/06** (2006.01); **H01F 7/08** (2006.01); **H01F 7/126** (2006.01); **H01F 7/127** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)

**F01L 9/20** (2021.01 - EP US); **H01F 3/02** (2013.01 - EP US); **H01F 7/06** (2013.01 - EP US); **H01F 7/081** (2013.01 - EP US); **H01F 7/1638** (2013.01 - EP US)

Citation (search report)

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