

Title (en)

Actuation system for an aerodynamic control surface and aircraft steering system.

Title (de)

Betätigungssystem für einen aerodynamischen Ruder und Luftfahrzeugführungssystem.

Title (fr)

Système d'actionnement pour gouverne aérodynamique et systèmes pour le pilotage d'aéronefs.

Publication

EP 0628783 A1 19941214 (FR)

Application

EP 94401101 A 19940518

Priority

FR 9306779 A 19930607

Abstract (en)

- The present invention relates to an actuation system (1) for bringing an aerodynamic control surface (G) into one or other of two active stable positions opposite each other relative to a neutral position. - According to the invention, this actuation system includes: . two electromagnetic coils (A, B) arranged on a fixed support (2), one facing the other; . a moving blade (P), one (4) of the ends of which is fixed elastically to the said fixed support (2), and the other end (6) of which is arranged between the said coils (A, B) and is capable of being attracted by each of the said coils; and . a moving element (7) secured to the said blade (P) and carrying the said aerodynamic control surface (G). - Flying (steering) of aircraft. <IMAGE>

IPC 1-7

F42B 10/64

IPC 8 full level

F42B 10/64 (2006.01)

CPC (source: EP)

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Citation (search report)

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- [A] DE 3606835 A1 19900531 - DIEHL GMBH & CO [DE]
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- [A] US 4274610 A 19810623 - BASTIAN THOMAS W

Cited by

EP2310796A4; WO2010005350A1

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BE CH DE ES GB IT LI NL PT SE

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EP 0628783 A1 19941214; EP 0628783 B1 19980812; EP 0628783 B2 20030827; DE 69412366 D1 19980917; DE 69412366 T2 19990304; DE 69412366 T3 20040325; ES 2120584 T3 19981101; ES 2120584 T5 20040416; FR 2706200 A1 19941216; FR 2706200 B1 19950811; NO 307434 B1 20000403; NO 942092 D0 19940606; NO 942092 L 19941208

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