

Title (en)

SYSTEM FOR CONTROLLING AND AUTOMATICALLY STABILIZING THE ROTATIONAL MOTION OF A ROTARY WING AIRCRAFT

Title (de)

SYSTEM ZUR STEUERUNG UND ZUR AUTOMATISCHEN STABILISIERUNG DER GIERBEWEGUNG EINES DREHFLÜGELFLUGZEUGES

Title (fr)

SYSTEME DE REGULATION ET DE STABILISATION AUTOMATIQUE DU MOUVEMENT DE GIRATION D'UN AERONEF A VOILURE TOURNANTE

Publication

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Application

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Priority

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- US 707995 P 19951024

Abstract (en)

[origin: WO9705017A1] In a helicopter (10) having a device for stabilizing yaw motion through the use of a tail rotor (2) with a plurality of rotor blades (11) extending radially from a hollow rotor shaft (15) which is mounted for rotation about a transverse rotor axis (14). The tail rotor (2) is provided with a device (22) for varying the thrust by a pilot input to the blades (11) of the tail rotor (2) and through the use of a gyro rotor (12) for automatic control of the tail rotor (2). The invention further comprises a three point mixing linkage (297) that permits the control of the tail rotor (2) through both the pilot inputs from (296) and the gyro rotor inputs (310).

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [Y] US 3004736 A 19611017 - CULVER IRVEN H, et al
- [Y] GB 751837 A 19560704 - CARLO LUALDI
- See references of WO 9705017A1

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