

Title (en)

A CRAFT HAVING A ROTATABLE FLUID PROPULSION DEVICE

Title (de)

FAHRZEUG MIT DREHBARER FLUIDANTRIEBSVORRICHTUNG

Title (fr)

EMBARCATION EQUIPEE D'UN DISPOSITIF DE PROPULSION HYDRAULIQUE ROTATIF

Publication

EP 1863706 A2 20071212 (EN)

Application

EP 06727164 A 20060323

Priority

- GB 2006050066 W 20060323
- GB 0505958 A 20050323
- GB 0508793 A 20050503

Abstract (en)

[origin: WO2006100525A2] The invention arose in the design of vertical takeoff craft where a bladed rotor directs a jet of fluid over a curved surface so that the jet is turned from a radial direction towards an axial direction to create lift. These craft have stability problems when an attempt is made to hover close to the ground or to a vertical surface and for this reason such craft have been confined to paper proposals and unsuccessful experimental models. In accordance with the invention, the craft is designed so that its rotor and other moving parts have a large angular momentum. In this way, a gyroscopic effect is achieved, sufficient to give positive stability to the craft, eliminating the aforementioned problem.

IPC 8 full level

B64C 39/06 (2006.01); **B64C 29/00** (2006.01)

CPC (source: EP)

B64C 17/00 (2013.01); **B64C 39/064** (2013.01)

Citation (search report)

See references of WO 2006100525A2

Cited by

CN104633445A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006100525 A2 20060928; **WO 2006100525 A3 20061221**; EP 1863706 A2 20071212

DOCDB simple family (application)

GB 2006050066 W 20060323; EP 06727164 A 20060323