

Title (en)
ROTOR SWASHPLATE

Title (de)
ROTORTAUMELSCHEIBE

Title (fr)
PLATEAU CYCLIQUE SUR ROTORS

Publication
EP 2217492 A2 20100818 (FR)

Application
EP 08871174 A 20081031

Priority
• FR 2008001539 W 20081031
• FR 0707725 A 20071102

Abstract (en)
[origin: FR2923210A1] The assembly has a rotor (1) for centering a swash plate with respect to a main rotation axis of the rotor. The rotor has a cylinder rotatably driving a crown-ball joint (4). A roller bearing has a triangular crown (11) freely moved along the axis. The crown-ball joint is connected to levers (25) of shanks of blades (26) by balls (19-21) via tie rods (22-24) such that pitch angle of the blades is cyclically controlled by acting in three points on the crown to control a collective pitch and a yaw in case of a counter-rotating rotor by differentiation of the collective pitch between the rotors.

IPC 8 full level
B64C 27/59 (2006.01)

CPC (source: EP)
B64C 27/605 (2013.01)

Citation (search report)
See references of WO 2009092898A2

Citation (examination)
• FR 2922191 A1 20090417 - INFOTRON SARL [FR]
• US 7712701 B1 20100511 - EHRMANTRAUT ADAM S [US], et al
• WORKFLY.FR: "WorkFly et son drone présents au salon aéronautique du Bourget 2005", 30 June 2005 (2005-06-30), Retrieved from the Internet <URL:http://www.workfly.fr/actu/drone-bourget-2005.php> [retrieved on 20110405]
• MICHEL GUILHOT-GAUDEFFROY: "EYESFLY A PRODUCT OF WORKFLY COMPANY", 4TH EUROPEAN MICRO UAV MEETING, 15 September 2004 (2004-09-15) - 17 September 2004 (2004-09-17), TOULOUSE

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CN108945409A; CN104163242A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
FR 2923210 A1 20090508; CA 2704579 A1 20090730; EP 2217492 A2 20100818; WO 2009092898 A2 20090730;
WO 2009092898 A3 20090924; WO 2009092898 A4 20091119

DOCDB simple family (application)
FR 0707725 A 20071102; CA 2704579 A 20081031; EP 08871174 A 20081031; FR 2008001539 W 20081031