

Title (en)

HIGH LIFT SYSTEM FOR AN AIRPLANE, AIRPLANE SYSTEM AND PROPELLER AIRPLANE HAVING A HIGH LIFT SYSTEM

Title (de)

HOCHAUFTRIEBSSYSTEM EINES FLUGZEUGS, FLUGZEUGSYSTEM UND PROPELLER-FLUGZEUG MIT EINEM HOCHAUFTRIEBSSYSTEM

Title (fr)

SYSTÈME HYPERSUSTENTATEUR D'UN AVION, SYSTÈME D'AVION ET AVION À HÉLICES AVEC UN SYSTÈME HYPERSUSTENTATEUR

Publication

EP 2445782 A2 20120502 (DE)

Application

EP 10714587 A 20100416

Priority

- EP 2010002358 W 20100416
- US 16977409 P 20090416
- DE 102009017653 A 20090416

Abstract (en)

[origin: CA2758461A1] The invention relates to a high lift sys-tem for an airplane, comprising: one or more high lift flaps (14a, 14b); a control device (60, 160) having a control function for generating position commands for setting the adjustment state of the high lift flaps (14a, 14b); a drive device (63, 163) coupled to the high lift flaps (14a, 14b) and is designed such that it adjusts the high lift flaps (14a, 14b) between a retracted position and an extended position on the basis of control com-mands, wherein the control function creates position commands based on input values and sends them to the drive device (63, 163) for adjusting the high lift flaps (14a, 14b). The control function comprises a function for automatically retracting the high lift flap (14a, 14b) during flight, which creates a control com-mand in a flight state in which the high lift flap (14a, 14b) is in an extended position, taking into considera-tion an engine thrust and a minimal flight altitude, af-ter the high lift flap (14a, 14b) is retracted.

IPC 8 full level

B64C 9/18 (2006.01); **B64C 9/32** (2006.01); **B64C 13/16** (2006.01)

CPC (source: EP US)

B64C 9/18 (2013.01 - EP US); **B64C 13/16** (2013.01 - EP US)

Citation (search report)

See references of WO 2010118886A2

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009017653 A1 20101021; CA 2758461 A1 20101021; CN 102458983 A 20120516; CN 102458983 B 20151021; EP 2445782 A2 20120502; RU 2011146418 A 20130527; US 2012032030 A1 20120209; WO 2010118886 A2 20101021; WO 2010118886 A3 20110331

DOCDB simple family (application)

DE 102009017653 A 20090416; CA 2758461 A 20100416; CN 201080026035 A 20100416; EP 10714587 A 20100416; EP 2010002358 W 20100416; RU 2011146418 A 20100416; US 201013264393 A 20100416