

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

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Application

**EP 10714587 A 20100416**

Priority

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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

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