

Title (en)

AIRPLANE HAVING A DEVICE FOR PROVIDING ASSISTANCE AT TAKEOFF AND METHOD OF IMPLEMENTATION

Title (de)

FLUGZEUG MIT EINER VORRICHTUNG ZUR UNTERSTÜTZUNG BEIM START UND VERFAHREN ZUR IMPLEMENTIERUNG

Title (fr)

AVION À DISPOSITIF D'ASSISTANCE AU DÉCOLLAGE ET PROCÉDÉ DE MISE EN OEUVRE

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Application

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Abstract (en)

[origin: WO2014198920A1] The invention relates to an airplane (100) having a device for providing assistance at takeoff (20), which comprises at least one propulsion engine (11) and at least one wheel motor (12) arranged to rotate at least one wheel (13) of a landing gear (10a, 10b) of a landing gear of the airplane. The device for providing assistance at takeoff (20) comprises at least one main command and control computer (22) which monitors the operation of the propulsion engine(s) (10) and of the wheel motor(s) (12) when the airplane is rolling during a takeoff phase, said at least one wheel motor being an electric motor. In a first step E, the airplane is accelerated primarily by the wheel motor(s) (12). In a second step H, the airplane is accelerated by the wheel motor(s) (12) and the propulsion engine(s) (11) jointly. In a third step P, the airplane is accelerated mainly by the propulsion engine(s) (11).

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