

Title (en)

METHOD FOR TRAINING TO COPE WITH A FAULT AFFECTING ONE POWERTRAIN OF A HYBRID PROPULSION SYSTEM

Title (de)

VERFAHREN ZUM TRAINIEREN DES BEHERBERGENS EINES FEHLERS MIT AUSWIRKUNG AUF EINEN ANTRIEBSSTRANG EINES HYBRIDANTRIEBSSYSTEMS

Title (fr)

PROCÉDÉ D'ENTRAÎNEMENT À LA PANNE D'UNE CHAÎNE DE PUISSANCE D'UN SYSTÈME PROPULSIF HYBRIDE

Publication

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Application

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Abstract (en)

[origin: WO2023031549A1] The invention relates to a method for training a pilot to cope with a fault affecting one powertrain of a hybrid propulsion system for an aircraft comprising, connected in parallel to a transmission unit, n powertrains (where  $n \geq 2$ ), including a first and a second powertrain that are heterogeneous in nature. It involves, during a flight of the aircraft, simulating a fault affecting the first powertrain while, at the same time as performing the simulation, checking the status of the n powertrains of the propulsion system. If a fault affecting one of the n powertrains is detected, the simulation is halted and the instantaneous power delivered by at least one of either the first or the second powertrain is increased so that the sum of the instantaneous powers delivered by the n powertrains is  $\geq$  a minimum total instantaneous power required for the aircraft to continue its flight.

IPC 8 full level

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