

Title (en)

SYSTEMS AND METHODS FOR REDUCING CONTROLLER-PILOT REJECTION RATIOS

Title (de)

SYSTEME UND VERFAHREN ZUR REDUZIERUNG DES REGLER-PILOT-ZURÜCKWEISUNGSVERHÄLTNISSSES

Title (fr)

SYSTÈMES ET PROCÉDÉS DE RÉDUCTION DE TAUX DE REJET DE CONTRÔLEUR-PILOTE

Publication

EP 3855410 A1 20210728 (EN)

Application

EP 21151674 A 20210114

Priority

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- US 202017099911 A 20201117

Abstract (en)

Provided are technologically improved systems and methods for reducing controller-pilot data link (CPDLC) rejection ratio on an aircraft. The system is programmed to receive a user provided tentative CPDLC request. The system receives traffic data from an external traffic data source and data from a navigation system and a sensor system. The system predicts whether the tentative CPDLC request will be accepted by air traffic control (ATC), based on the received data. The system further predicts a potential delay time until the ATC will accept the tentative CPDLC request. The system additionally provides one or more alternative CPDLC requests and their potential delay times when the system has predicted that the tentative CPDLC request will be rejected. The system displays this information and receives user selections based thereon. Upon receiving a user selection, a CPDLC request is sent to ATC in accordance with a predicted delay time.

IPC 8 full level

G08G 5/00 (2006.01); **H04B 7/185** (2006.01)

CPC (source: EP)

G08G 5/0013 (2013.01); **G08G 5/0021** (2013.01)

Citation (search report)

- [I] EP 1947624 A1 20080723 - HONEYWELL INT INC [US]
- [A] US 2016161283 A1 20160609 - SHAMASUNDAR RAGHU [IN], et al
- [A] US 2008316057 A1 20081225 - MCGUFFIN THOMAS F [US]

Designated contracting state (EPC)

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Designated extension state (EPC)

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