

Title (en)
SYSTEMS AND METHODS FOR ENHANCING DATALINK OPERATION

Title (de)
SYSTEME UND VERFAHREN ZUR VERBESSERUNG DES DATENVERBINDUNGSBETRIEBS

Title (fr)
SYSTÈMES ET PROCÉDÉS D'AMÉLIORATION D'OPÉRATION DE LIAISON DE DONNÉES

Publication
EP 4210025 A1 20230712 (EN)

Application
EP 22215484 A 20221221

Priority
• IN 202211000999 A 20220107
• US 202217655915 A 20220322

Abstract (en)
A flight deck system and method in an aircraft for enhancing controller pilot datalink communication (CPDLC) operation is disclosed. The flight deck system includes a controller configured to: receive a CPDLC message having a CPDLC message type from a flight operation center (FOC) having an FOC name; retrieve an expected response time for the CPDLC message from an expected response time database containing expected response times for a plurality of CPDLC message types for FOCs; generate a timer function that causes the display of a timer (e.g., countdown timer) on an aircraft display device that has a set duration based on the expected response time; signal the aircraft display device to display the timer; monitor communications from flight crew for a response to the CPDLC message; and signal the aircraft display device to end the display of the timer when a communication has been detected within the set duration.

IPC 8 full level
G08G 5/00 (2006.01)

CPC (source: EP)
G08G 5/0013 (2013.01); **G08G 5/0021** (2013.01)

Citation (search report)
• [Y] US 2008163093 A1 20080703 - LORIDO DIDIER [FR]
• [Y] US 2017039858 A1 20170209 - WANG GUOQING [CN], et al
• [A] US 2013141254 A1 20130606 - MCGUFFIN THOMAS F [US], et al
• [A] US 2010277347 A1 20101104 - JUDD THOMAS D [US]
• [A] EP 1318492 A2 20030611 - BOEING CO [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4210025 A1 20230712

DOCDB simple family (application)
EP 22215484 A 20221221