

Title (en)

LONG LINE LOITER APPARATUS, SYSTEM, AND METHOD

Title (de)

LONG-LINE-LOITER-VORRICHTUNG, -SYSTEM UND -VERFAHREN

Title (fr)

APPAREIL, SYSTÈME ET PROCÉDÉ DE VOL STATIONNAIRE À LONGUE LIGNE

Publication

EP 4347474 A1 20240410 (EN)

Application

EP 21943305 A 20211228

Priority

- US 202117330266 A 20210525
- US 2021065355 W 20211228

Abstract (en)

[origin: WO2022250736A1] Physical and logical components of a long line loiter control system address control of a long line loiter maneuver conducted beneath a carrier, such as a fixed-wing aircraft. Control may comprise identifying, predicting, and reacting to estimated states and predicted states of the carrier, a suspended load control system, and a long line. Identifying, predicting, and reacting to estimated states and predicted states may comprise determining characteristics of state conditions over time as well as response time between state conditions. Reacting may comprise controlling a hoist of the carrier, controlling thrusters of the suspended load control system, and or controlling or issuing flight control instructions to the carrier so as not to increase the response time and or to avoid a hazard.

IPC 8 full level

B66C 13/08 (2006.01); **A61G 3/00** (2006.01)

CPC (source: EP KR)

A61G 3/00 (2013.01 - EP); **B64D 1/22** (2013.01 - KR); **B66C 1/10** (2013.01 - EP); **B66C 13/08** (2013.01 - EP); **B66C 13/085** (2013.01 - KR); **B66D 1/485** (2013.01 - EP KR); **B66D 1/60** (2013.01 - EP KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

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Designated validation state (EPC)

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