

Title (en)

BLADE CONTROL DEVICE FOR WORK MACHINERY

Title (de)

MESSERSTEUERVORRICHTUNG FÜR ARBEITSMASCHINEN

Title (fr)

DISPOSITIF DE COMMANDE DE LAME POUR ENGINS DE TRAVAUX

Publication

**EP 3825473 A1 20210526 (EN)**

Application

**EP 19854523 A 20190807**

Priority

- JP 2018162282 A 20180831
- JP 2019031264 W 20190807

Abstract (en)

A blade operation control part (15) of a blade control device (100) controls operation of a blade (4) such that when a blade load (f) is equal to or less than a first load threshold value (f1) and a position deviation ( $\Delta Z$ ) is equal to or greater than a position threshold value (Z1), the blade (4) is lowered to make the position deviation ( $\Delta Z$ ) approach zero, and the blade operation control part (15) controls operation of the blade (4) such that the blade (4) is raised regardless of the position deviation ( $\Delta Z$ ) when the blade load (f) is equal to or greater than a second load threshold value (f2).

IPC 8 full level

**E02F 3/85** (2006.01)

CPC (source: EP US)

**E02F 3/7618** (2013.01 - EP); **E02F 3/844** (2013.01 - EP US); **E02F 3/964** (2013.01 - EP); **E02F 9/262** (2013.01 - US); **E02F 9/265** (2013.01 - EP); **E02F 3/7609** (2013.01 - US); **E02F 3/964** (2013.01 - US)

Citation (search report)

See references of WO 2020045017A1

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3825473 A1 20210526**; CN 112567099 A 20210326; JP 2020033788 A 20200305; US 2021324605 A1 20211021; WO 2020045017 A1 20200305

DOCDB simple family (application)

**EP 19854523 A 20190807**; CN 201980055077 A 20190807; JP 2018162282 A 20180831; JP 2019031264 W 20190807; US 201917271100 A 20190807