

Title (en)
MOBILE WORK MACHINE

Title (de)
MOBILE ARBEITSMASCHINE

Title (fr)
ENGIN DE TRAVAIL MOBILE

Publication
EP 3987119 A1 20220427 (DE)

Application
EP 20735516 A 20200625

Priority
• DE 102019117118 A 20190625
• EP 2020067808 W 20200625

Abstract (en)
[origin: WO2020260450A1] The present invention relates to a mobile work machine, in particular a wheeled loader, having a hydraulic circuit and having a pump (P) for conveying a hydraulic medium through the hydraulic circuit and having at least one control block (CB) having an inflow control edge (ZK) and an outflow control edge (AK) for controlling the flow of the hydraulic fluid, wherein the work machine has a working tool and a cylinder for actuating the working tool and wherein the cylinder has an outflow (A) and an inflow (B) for the hydraulic fluid, the outflow being fluidically connected to the outflow control edge and the inflow being fluidically connected to the inflow control edge, the inflow control edge having no fine control notches or fewer fine control notches than the outflow control edge, which has one or more fine control notches, such that, in the event of a load pulling on the working tool, the outflow control edge throttles the outflow volume through the outflow of the cylinder.

IPC 8 full level
E02F 3/43 (2006.01); **E02F 9/22** (2006.01); **F15B 11/044** (2006.01)

CPC (source: EP US)
E02F 3/431 (2013.01 - EP); **E02F 9/2203** (2013.01 - EP US); **E02F 9/2267** (2013.01 - EP); **E02F 9/2271** (2013.01 - US); **F15B 11/04** (2013.01 - US); **F15B 11/044** (2013.01 - EP); **F15B 13/0402** (2013.01 - EP); **F15B 21/14** (2013.01 - EP); **E02F 3/422** (2013.01 - US); **F15B 2013/008** (2013.01 - EP); **F15B 2211/20546** (2013.01 - EP); **F15B 2211/30585** (2013.01 - EP); **F15B 2211/31541** (2013.01 - EP); **F15B 2211/31588** (2013.01 - EP); **F15B 2211/327** (2013.01 - EP); **F15B 2211/426** (2013.01 - EP US); **F15B 2211/455** (2013.01 - EP); **F15B 2211/46** (2013.01 - EP); **F15B 2211/6313** (2013.01 - EP US); **F15B 2211/6336** (2013.01 - EP); **F15B 2211/6652** (2013.01 - EP); **F15B 2211/6654** (2013.01 - EP); **F15B 2211/761** (2013.01 - EP)

Citation (search report)
See references of WO 2020260450A1

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)
DE 102020116738 A1 20201231; EP 3987119 A1 20220427; US 2022251804 A1 20220811; WO 2020260450 A1 20201230; WO 2020260450 A8 20210311

DOCDB simple family (application)
DE 102020116738 A 20200625; EP 2020067808 W 20200625; EP 20735516 A 20200625; US 202017620131 A 20200625