

Title (en)
VERTICAL LIFT LOADER

Title (de)
VERTIKALHUBLADER

Title (fr)
CHARGEUR À LEVAGE VERTICAL

Publication
EP 3610074 A4 20210414 (EN)

Application
EP 18901884 A 20181123

Priority
• CN 201810076343 A 20180126
• CN 2018117223 W 20181123

Abstract (en)
[origin: US2020181868A1] The present invention relates to a loader with a frame arrangement and a lifting arrangement. The lifting arrangement is mounted to the frame arrangement and comprises a main arm. The main arm is provided with a pivot connector at a proximate end thereof and an equipment connector at a distal end thereof. The main arm is provided with a main arm actuating element for moving the main arm between a lowered position and a lifted position. The lifting arrangement is configured to move the equipment connector between the lowered position and the lifted position along a substantially J-shaped path to move the equipment connector forward in a front-rear direction of the loader upon lifting the equipment connector.

IPC 8 full level
E02F 3/34 (2006.01); **E02F 3/38** (2006.01); **E02F 9/08** (2006.01); **E02F 9/26** (2006.01)

CPC (source: CN EP US)
E02F 3/28 (2013.01 - CN); **E02F 3/283** (2013.01 - US); **E02F 3/3405** (2013.01 - EP US); **E02F 3/3408** (2013.01 - US);
E02F 3/3411 (2013.01 - EP); **E02F 3/3417** (2013.01 - US); **E02F 3/342** (2013.01 - US); **E02F 3/36** (2013.01 - CN); **E02F 3/38** (2013.01 - EP US);
E02F 3/42 (2013.01 - CN US); **E02F 3/422** (2013.01 - US); **E02F 3/431** (2013.01 - US); **E02F 9/0841** (2013.01 - US); **E02F 9/2271** (2013.01 - US);
E02F 9/0841 (2013.01 - EP); **E02F 9/264** (2013.01 - EP)

Citation (search report)
• [X] US 3872991 A 19750325 - PASIDERIS STAMOS I, et al
• [X] CN 103790193 A 20140514 - QINGDAO LUDA PROJECT MACHINE MANUFACTURE CO LTD
• [X] EP 3051032 A2 20160803 - GUANGXI LIUGONG MACHINERY CO [CN]
• [X] US 5470190 A 19951128 - BAMFORD JOSEPH C [CH], et al
• See references of WO 2019144687A1

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)
US 2020181868 A1 20200611; CN 110809656 A 20200218; EP 3610074 A1 20200219; EP 3610074 A4 20210414;
WO 2019144687 A1 20190801

DOCDB simple family (application)
US 201816614543 A 20181123; CN 2018117223 W 20181123; CN 201880043918 A 20181123; EP 18901884 A 20181123