

Title (en)
HYDRAULIC SHOVEL

Title (de)
HYDRAULISCHE SCHAUFEL

Title (fr)
PELLE HYDRAULIQUE

Publication
EP 3530816 B1 20230816 (EN)

Application
EP 18761799 A 20180228

Priority
• JP 2017038269 A 20170301
• JP 2018007614 W 20180228

Abstract (en)
[origin: EP3530816A1] A revolving frame (6) is configured by including a bottom plate (6A) mounted to a revolving device (3), a left vertical plate (6B) and a right vertical plate (6C) that are provided to rise up extending in a front-rear direction and be spaced in a left-right direction on the bottom plate (6A), and a front plate (6K) that is positioned in the front side of the left vertical plate (6B) and the right vertical plate (6C) to block a space between the left vertical plate (6B) and the right vertical plate (6C). In addition, a hose guide (21) is provided on a rear surface side of the front plate (6K) in the revolving frame (6) to form a movement space (26), in which a plurality of hydraulic hoses (19) move when a front device (5) becomes in a revolving posture, between the rear surface side of the front plate (6K) and a revolving motor (16).

IPC 8 full level
E02F 9/22 (2006.01); **E02F 9/00** (2006.01)

CPC (source: EP)
E02F 9/00 (2013.01); **E02F 9/2275** (2013.01)

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

DOCDB simple family (publication)
EP 3530816 A1 20190828; EP 3530816 A4 20200610; EP 3530816 B1 20230816; CN 110226009 A 20190910; CN 110226009 B 20210709; JP 2018145597 A 20180920; JP 6706213 B2 20200603; WO 2018159711 A1 20180907

DOCDB simple family (application)
EP 18761799 A 20180228; CN 201880004686 A 20180228; JP 2017038269 A 20170301; JP 2018007614 W 20180228