

Title (en)

HYDRAULIC CYLINDER INCREASING THE ROTATION ANGLE OF THE ATTACHMENT INTEGRATED TO THE CONSTRUCTION MACHINES

Title (de)

HYDRAULIKZYLINDER ZUR ERHÖHUNG DES DREHWINKELS DER AN DEN BAUMASCHINEN INTEGRIERTEN AUFSÄTZE

Title (fr)

VÉRIN HYDRAULIQUE AUGMENTANT L'ANGLE DE ROTATION DE L'ACCESSOIRE INTÉGRÉ AUX MACHINES DE CONSTRUCTION

Publication

**EP 4085172 B1 20240221 (EN)**

Application

**EP 20866941 A 20201026**

Priority

- TR 201922556 A 20191230
- TR 2020050989 W 20201026

Abstract (en)

[origin: WO2021137789A1] The invention related to an arm mechanism (1) consisting of an attachment (2) that performs partial rotation movement which is integrated to the construction machines used in the preparation of construction and urban infrastructures, with which digging, drilling, crushing etc. works are performed, a drive mechanism (10) which drives said attachment (2), transmission mechanism (3) which transmits the movement and force received from said drive mechanism (10) to said attachment (2), positioning mechanism (20) that changes the distance between said attachment (2) and said transmission mechanism (3), has a positioning piston (23) increasing the rotation angle of said attachment (2) during opening or closing with this movement, a connection element (14) which provides the hydraulic connection between the drive mechanism (10) cylinder and the positioning mechanism (20) cylinder.

IPC 8 full level

**E02F 3/34** (2006.01); **E02F 3/36** (2006.01); **E02F 3/42** (2006.01)

CPC (source: EP)

**E02F 3/3604** (2013.01); **E02F 3/3677** (2013.01); **E02F 3/425** (2013.01); **E02F 9/006** (2013.01); **E02F 9/2271** (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)

**WO 2021137789 A1 20210708**; EP 4085172 A1 20221109; EP 4085172 A4 20230614; EP 4085172 B1 20240221

DOCDB simple family (application)

**TR 2020050989 W 20201026**; EP 20866941 A 20201026