

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

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Application

**EP 20866941 A 20201026**

Priority

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- 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

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CPC (source: EP)

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Citation (search report)

- [A] WO 2009129812 A1 20091029 - OPTIMAL SERVICE V TORBEN ULRİK [DK], et al
- [A] US 7740254 B2 20100622 - TAKEMURA TOSHIHIKO [JP], et al
- [A] US 3966066 A 19760629 - SCHEXNAYDER LAWRENCE F
- [A] US 10156055 B2 20181218 - KOVAR AARON D [US], et al
- See references of WO 2021137789A1

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