

Title (en)
WORK TOOL MOUNTING MECHANISM

Title (de)
MONTAGEMECHANISMUS FÜR ARBEITSWERKZEUG

Title (fr)
MÉCANISME DE MONTAGE D'OUTIL DE TRAVAIL

Publication
EP 4361353 A1 20240501 (EN)

Application
EP 22203865 A 20221026

Priority
EP 22203865 A 20221026

Abstract (en)
[Problem] To provide a working tool mounting mechanism capable of improving workability.[Resolution Means] Provided are: a cylinder 190 that can expand and contract, being provided on a tip of a boom of a front loader, and provided with a cylinder body 191 and a rod 192 provided so as to be able to slide with respect to the cylinder body 191; an engaging portion 200 respectively provided on the cylinder body 191 and the rod 192, being able to move between an engaged position that can engage with a bucket 13 that can be attached to and detached from a boom 12 and an engagement release position that cannot engage with the bucket 13, according to the expansion and contraction of the cylinder 190; a cover portion 170 for covering the cylinder 190 from one direction; and a frame 180 fixed to the cover portion 170, for restricting at least one of movement of the cylinder body 191 and the rod 192 in the expansion and contraction direction past a prescribed position when the cylinder 190 expands and contracts, and rotation of the cylinder 190 around the axial direction.

IPC 8 full level
E02F 3/36 (2006.01)

CPC (source: EP)
E02F 3/3631 (2013.01); **E02F 3/3636** (2013.01); **E02F 3/3663** (2013.01)

Citation (applicant)
JP 2020172796 A 20201022 - KUBOTA KK

Citation (search report)
• [X] US 6991398 B2 20060131 - LEEMANS RONALD ANTHONY [US], et al
• [X] US 6899509 B1 20050531 - MAILLEUX LOIC [FR]
• [X] US 3243066 A 19660329 - GARDNER CHARLES W, et al
• [A] WO 2020106239 A1 20200528 - AKBIYIK ISMAIL [TR]
• [A] US 2020385952 A1 20201210 - HAHN CHRISTIAN [DE]
• [A] US 8549775 B2 20131008 - LANTING HENRY A [CA], et al

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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