

Title (en)

QUICK CHANGER FOR CONSTRUCTION TOOLS

Title (de)

SCHNELLWECHSLER FÜR BAUMASCHINENWERKZEUGE

Title (fr)

DISPOSITIF DE CHANGEMENT RAPIDE POUR OUTILS DE MACHINES DE CONSTRUCTION

Publication

EP 3715535 B1 20210623 (DE)

Application

EP 19213533 A 20191204

Priority

DE 202019101747 U 20190327

Abstract (en)

[origin: CA3066156A1] The invention relates to a quick-hitch for coupling a tool to an excavator arm or a similar tool manipulator, comprising two hitch halves that can be latched together and that can be coupled to one another at a first pair of latching parts and can be pivoted together, about the coupled first pair of latching parts, into a coupling position in which a second pair of latching parts of the hitch halves can be latched, wherein energy coupling parts are provided on each of the two hitch halves, which energy coupling parts move together when the hitch halves are pivoted together about the pivot axis formed by said first pair of latching parts, wherein a coupling carrier is attached to each hitch half, which coupling carrier carries a plurality of energy coupling parts in each case, characterized in that the energy coupling parts are designed so as to be self-centering, wherein at least one of the coupling carriers is mounted on the associated hitch half by means of a rubber-elastic carrier bearing so as to be resiliently tiltable in a multiaxial manner, and at least one energy coupling part of each energy coupling part pair that is to be moved together is mounted on the associated coupling carrier by means of a rubber-elastic coupling part bearing so as to be resiliently tiltable in a multiaxial manner.

IPC 8 full level

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CPC (source: EP US)

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