

Title (en)
Tool quick coupling device

Title (de)
Werkzeugschnellwechsellvorrichtung

Title (fr)
Attache rapide pour outil

Publication
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Application
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Priority
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Abstract (en)
[origin: EP1580329A1] The present invention relates to a device and a method for coupling an operating arm of an excavator, a backhoe loader or a like machine to an implement. It also relates to an arm quick coupling part and an implement quick coupling part for use in such a device. The implement quick coupling part includes first and second spaced, parallel implement mechanical coupling rods (3,4) and implement power circuit coupling means (5). The arm quick coupling part includes arm mechanical coupling means (10,11) for cooperation with the implement mechanical coupling rods (3,4) for holding and locking the implement, and arm power circuit coupling means (26) for cooperation with the implement power circuit coupling means (5) for connecting a power system to the implement. The arm mechanical coupling means (10,11) are arranged for being coupled to the implement mechanical coupling rods (3,4) by movement of the arm quick coupling part (1) relative the implement quick coupling part (2), wherein at least a final part of the movement is in a linear direction substantially perpendicular to the longitudinal axes of implement mechanical coupling rods (3,4). The arm power circuit coupling means (26) and the implement power circuit coupling means (5) are arranged for being aligned in a first part of the movement and for being coupled during said final part of the movement.

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