

Title (en)

QUICK-COUPLING DEVICE FOR TOOLS ON Diggers OR SIMILAR MACHINES

Title (de)

SCHNELLKUPPLUNGsvorrichtung fÜr Werkzeuge an Baggern oder Ähnlichen Maschinen

Title (fr)

DISPOSITIF A ACCOUPLEMENT RAPIDE POUR OUTILS D'EXCAVATRICES OU D'ENGINS SIMILAIRES

Publication

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Application

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Priority

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Abstract (en)

[origin: US2006242865A1] Quick-coupling device (1,2) for tools on machines, especially on agricultural, transport, lifting, digging and earth-moving machines, which is characterized in that it comprises an adaptor (2), joined to the articulated arm of the machine via at least one master pin (7), made up of a base plate (17) which is essentially flat and side walls (10) whose outer surfaces (10) have, at least partly, slopes which converge in the direction of coupling of the adaptor (2) to the tool (3), said adaptor (2) having movable fixing means (13), the device also comprising coupling means (1) in the tool (3) to be coupled, which contain rigid hooks (5,5';6,6') for receiving the ends of the master pin (7) joining the adaptor (2) and the articulated arm of the machine and side walls (9) whose inner surfaces (9) have, at least partly, converging slopes which match the slopes of the outer surfaces of the adaptor, the side walls also having perforations (8) for receiving and holding, by locking, the movable fixing means (13) of the adaptor (2), so that in the coupling position a wedge or locking effect is produced between the adaptor walls (10) and the tool (3), and the fixing means (13) is introduced in the perforations (8) of the side walls (9) of the tool, the hooks (5,6) and perforations (8) also being positioned in such a way that the tool (3) couples with the adaptor (2) in one of two positions turned 180° with respect to a vertical axis.

IPC 8 full level

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