

Title (en)

Quick hitch for a digging or loading tool

Title (de)

Schnellkupplung für ein Grab- und Ladewerkzeug

Title (fr)

Couplage rapide pour outil de creusement ou de chargement

Publication

**EP 2362024 A2 20110831 (EN)**

Application

**EP 11155797 A 20110224**

Priority

DK PA201070074 A 20100226

Abstract (en)

A quick coupling (2) for a tool, e.g. a dipper or a loading bucket, and including connecting means adapted to be mounted at an outer end of a digger or loading arm, the quick coupling (2) including coupling means for connecting the quick coupling with complementing means of a connecting part (14) of the tool and a locking mechanism with a displaceable lock wedge (26) which includes locking means adapted to interact with the complementing coupling means (12, 20) of the connecting part (14) of the tool, and which is adapted to displace by means of at least one, preferably hydraulic, cylinder (22), as the coupling means are constituted by fixed hook-shaped coupling members (10) that are adapted to interact with the connecting means (12) of the connecting member (14) of the tool, and by coupling members adapted to fix the connecting means (20) of the connecting part (14) of the tool when the latter is in contact with a contact face (18) of the quick coupling (2), which further includes a safety lock (28, 50) adapted to provide an additional secure locking function between the quick coupling (2) and the connecting part (14) of the tool. By means of simple technical measures it is hereby possible to achieve good operation and an extraordinary good safety against inadvertent release of the tool.

IPC 8 full level

**E02F 3/36** (2006.01)

CPC (source: EP)

**E02F 3/3613** (2013.01); **E02F 3/3631** (2013.01); **E02F 3/3636** (2013.01); **E02F 3/364** (2013.01); **E02F 3/3663** (2013.01)

Cited by

CN114319477A; DE102016014905B3; EP3040482A4; EP2686490A4

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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