

Title (en)
WORKTOOL COUPLER

Title (de)
WERKZEUGKUPPLUNG

Title (fr)
COUPLEUR D'OUTIL DE TRAVAIL

Publication
EP 3572588 A1 20191127 (EN)

Application
EP 19173525 A 20190509

Priority
GB 201807593 A 20180510

Abstract (en)
The disclosure relates to a coupler for coupling a worktool to a work machine. The work machine may for example be wheeled loader that has to be coupled to some kind of worktool. Coupling standards have not been harmonised in the industry hence there are a variety of couplers in use. The couple of this disclosure is configured such that it can be used in two different coupling systems where a machine would connect with the coupler from one end or another end depending on the system required at that time. The hydraulic connections are configured such that whatever the coupling system used, the behaviour of the operator controls remain the same.

IPC 8 full level
E02F 3/36 (2006.01)

CPC (source: EP GB)
E02F 3/3604 (2013.01 - GB); **E02F 3/3609** (2013.01 - GB); **E02F 3/3618** (2013.01 - EP); **E02F 3/3622** (2013.01 - EP);
E02F 3/3627 (2013.01 - EP); **E02F 3/3631** (2013.01 - EP); **E02F 3/364** (2013.01 - EP); **E02F 3/3654** (2013.01 - GB); **E02F 3/3663** (2013.01 - EP);
E02F 3/96 (2013.01 - GB)

Citation (search report)
• [A] US 2012237283 A1 20120920 - STOLLERY RANDAL D [CA]
• [A] DE 102007023751 A1 20081127 - KURZ ANDREAS [DE]
• [A] CA 2727324 A1 20120710 - GARIER INC [CA]
• [A] DE 202017107699 U1 20180110 - OILQUICK DEUTSCHLAND GMBH [DE]

Cited by
CN113833047A; CN111360831A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3572588 A1 20191127; GB 201807593 D0 20180627; GB 2573550 A 20191113; GB 2573550 A8 20191127

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