

Title (en)  
QUICK CHANGER

Title (de)  
SCHNELLWECHSLER

Title (fr)  
SYSTÈME DE CHANGEMENT RAPIDE

Publication  
**EP 3591122 A1 20200108 (DE)**

Application  
**EP 18199339 A 20181009**

Priority  
DE 102018115949 A 20180702

Abstract (en)  
[origin: CA3044618A1] The invention relates to a quick-change coupler device (1) for coupling and uncoupling an implement attachment to and from a construction vehicle, which device comprises a support member (7), first receiving members (8) disposed on one side of the support member (7) for receiving a first coupling member (5), second receiving members (9) disposed on the other side of the support member (7) for receiving a second coupling member (6), said second receiving members having at least one locking member (10) which can be translationally moved between a release position for coupling or uncoupling the implement attachment and a coupling position for retaining the implement attachment on the quick-change coupler device (1), and a mechanical signaling mechanism (16) for monitoring the locking status. The mechanical signaling mechanism (16) comprises an assembly (17, 19, 22, 23) for signaling the failure of the second coupling member (5) [sic; (6)] to engage in the second receiving members (9), which assembly comprises a coupling gear for moving a signaling member, which translationally moves between a locking position and an unlocking position, into the locking position when the at least one locking member moves into the coupling position, and for moving the signaling member back into the unlocking position when the at least one locking member moves beyond the coupling position.

Abstract (de)  
Die Erfindung betrifft einen Schnellwechsler (1) zum Wechseln eines Anbaugeräts an einer Baumaschine, der einen Träger (7), an einer Seite des Trägers (7) angeordnete erste Aufnahmen (8) zur Aufnahme eines ersten Kopplungselements (5), an der anderen Seite des Trägers (7) angeordnete zweite Aufnahmen (9) mit mindestens einem zwischen einer Lösestellung zum An- oder Abkoppeln des Anbaugeräts und einer Kupplungsstellung zur Halterung des Anbaugeräts am Schnellwechsler (1) bewegbaren Verriegelungselement (10) zur Aufnahme eines zweiten Kopplungselements (6) und eine mechanische Anzeigevorrichtung (16) zur Kontrolle der Verriegelung enthält. Um eine verbesserte Verriegelungskontrolle zu ermöglichen, weist die mechanische Anzeigevorrichtung (16) eine Einrichtung (17, 19, 22, 23) zur Anzeige eines fehlenden Eingriffs des zweiten Kopplungselements (5) an den zweiten Aufnahmen (9) auf.

IPC 8 full level  
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**E02F 3/3618** (2013.01 - US); **E02F 3/3622** (2013.01 - EP US); **E02F 3/3627** (2013.01 - EP); **E02F 3/364** (2013.01 - EP);  
**E02F 3/3663** (2013.01 - EP); **E02F 9/26** (2013.01 - EP)

Citation (applicant)  
US 6379075 B1 20020430 - SHAMBLIN WAYNE A [US], et al

Citation (search report)  
• [X] WO 2016153360 A1 20160929 - WEDGELOCK EQUIPMENT LTD [NZ]  
• [X] DE 102015009491 A1 20160211 - CATERPILLAR INC N D GES D STAATES DELAWARE [US]  
• [A] DE 202006018263 U1 20070208 - PERWEIN BAUMASCHINEN SYSTEME G [AT]

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