

Title (en)

Shaft coupling element with unlocking mechanism

Title (de)

Webschaftkupplung mit einer Entkupplungsvorrichtung

Title (fr)

Elément de couplage de cadre avec dispositif de déverrouillage

Publication

EP 0784111 A3 19980211 (DE)

Application

EP 96118558 A 19961120

Priority

DE 19548848 A 19951227

Abstract (en)

[origin: US5810055A] A multitude of heald shafts can be decoupled simultaneously as a set. For this purpose one of the two coupling sections (2, 3) of a shaft, either the section on the push rod side or the section on the shaft side, is equipped with a decoupling mechanism (11). All decoupling mechanisms (11) are power operated in unison by hydraulic, pneumatic, or electrical power. The power operated decoupling mechanisms operate a spring biased rocker lever (7) of a lever mechanism (6) to decouple the coupling sections from each other.

IPC 1-7

D03C 9/00; **D03C 1/14**

IPC 8 full level

D03D 49/00 (2006.01); **D03C 1/14** (2006.01); **D03C 9/00** (2006.01); **D03C 9/06** (2006.01); **D03C 13/00** (2006.01); **D03D 51/46** (2006.01)

CPC (source: EP US)

D03C 9/0683 (2013.01 - EP US); **Y10T 292/699** (2015.04 - EP US); **Y10T 403/22** (2015.01 - EP US); **Y10T 403/595** (2015.01 - EP US)

Citation (search report)

- [AD] DE 4343882 C1 19950119 - DORNIER GMBH LINDAUER [DE]
- [A] EP 0598167 A1 19940525 - RUETI AG MASCHF [CH]
- [A] EP 0598162 A1 19940525 - RUETI AG MASCHF [CH]
- [A] DE 3541042 C1 19870129 - GROB & CO AG
- [X] EP 0654552 A1 19950524 - RUETI AG MASCHF [CH]
- [A] EP 0598163 A1 19940525 - RUETI AG MASCHF [CH]
- [A] EP 0542350 A1 19930519 - NUOVO PIGNONE SPA [IT]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 78005696 A 19961223; AT 96118558 T 19961120; DE 19548848 A 19951227; DE 59609750 T 19961120; EP 96118558 A 19961120; JP 2000314815 A 20001016; JP 34609996 A 19961225