

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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**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