

Title (en)
Tool connector

Title (de)
Werkzeugverbinder

Title (fr)
Connecteur pour outils

Publication
EP 0825324 B1 20041117 (EN)

Application
EP 97306247 A 19970818

Priority
• US 69860896 A 19960816
• US 69860396 A 19960816

Abstract (en)
[origin: EP0825324A2] A tool connector for downhole use in oil and gas fields. The tool connector includes a stinger (10) and a stinger receptacle (100), the stinger (10) being adapted to be stabbed into the stinger receptacle (100). A loaded engaging member (108) is provided, which is movable between a running position before the stinger (10) is stabbed into the stinger receptacle (100) and a latched position when the stinger (10) is stabbed into the stinger receptacle to latch the stinger and the stinger receptacle together. A release member (170) retains the loaded engaging member in the running position. When the stinger (10) is stabbed into the stinger receptacle (100) and a set force is applied to the stinger (10) and stinger receptacle (100), the release member releases the loaded engaging member to move to the latched position and latch the stinger (10) and the stinger receptacle (100) together. The tool connector is particularly suitable for connecting perforating guns.

IPC 1-7
E21B 17/04; **E21B 43/116**; **E21B 17/06**; **E21B 23/04**

IPC 8 full level
E21B 17/06 (2006.01); **E21B 31/18** (2006.01); **E21B 43/116** (2006.01)

CPC (source: EP)
E21B 17/06 (2013.01); **E21B 31/18** (2013.01); **E21B 43/116** (2013.01)

Cited by
EP0931907A3; DE102005058356A1; CN106574488A; CN113123746A; US7210524B2

Designated contracting state (EPC)
DE GB NL

DOCDB simple family (publication)
EP 0825324 A2 19980225; **EP 0825324 A3 20000419**; **EP 0825324 B1 20041117**; DE 69731591 D1 20041223; DE 69731591 T2 20050331

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