

Title (en)
MALE COUPLING FOR CONNECTING TO FEMALE THREADED COUPLING

Title (de)
KUPPLUNGSSTECKER ZUM ANSCHLUSS AN EINE GEWINDEKUPPLUNGSBUCHSE

Title (fr)
RACCORD MÂLE DESTINÉ À ÊTRE RELIÉ À UN RACCORD FILETÉ FEMELLE

Publication
EP 2087266 A4 20140319 (EN)

Application
EP 07838799 A 20070924

Priority

- US 2007020666 W 20070924
- US 82670106 P 20060922
- US 91205207 P 20070416

Abstract (en)
[origin: WO2008039452A2] A male coupling that is connectable to and separable from a female threaded coupling (e.g., a female threaded port) is provided. The female threaded coupling includes a sealing surface and a receiving portion sized to receive at least a portion of the male coupling, where the receiving portion has internal threads provided therein. The male coupling includes a body having a passageway extending therethrough and a locking member (e.g., ratcheting or non- ratcheting) disposed about the body and configured to move between locking and releasing positions. The locking member has a retaining formation configured to engage the internal threads of the female threaded coupling when the locking member is in its locking position. The male coupling also includes an axially movable sleeve disposed about the body and an annular seal disposed about the sleeve. After insertion of the male coupling into the female threaded coupling, the retaining formation of the locking member engages one or more of the internal threads in the female threaded coupling when the locking member is in its locking position. Upon movement of the sleeve towards the female threaded coupling, the annular seal is compressed against the sealing surface of the female threaded coupling.

IPC 8 full level
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F16L 15/04 (2013.01 - KR); **F16L 19/02** (2013.01 - KR); **F16L 37/1215** (2013.01 - EP); **F16L 37/244** (2013.01 - KR)

Citation (search report)

- [YA] EP 0202592 A1 19861126 - WEH ERWIN [DE]
- [XAY] US 5788443 A 19980804 - CABAUG ERIC F [US]
- [E] WO 2008019043 A2 20080214 - EATON CORP [US], et al
- See references of WO 2008039452A2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
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