

Title (en)
RELEASE APPARATUS AND METHOD OF MANUFACTURING A RELEASE APPARATUS

Title (de)
TRENNVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER TRENNVORRICHTUNG

Title (fr)
APPAREIL DE LIBÉRATION ET PROCÉDÉ DE FABRICATION D'APPAREIL DE LIBÉRATION

Publication
EP 3247922 A4 20181024 (EN)

Application
EP 16740576 A 20160119

Priority

- US 201514604214 A 20150123
- US 201514604241 A 20150123
- US 201514604259 A 20150123
- US 201514604285 A 20150123
- US 2016013866 W 20160119

Abstract (en)
[origin: WO2016118485A1] Some embodiments provide release apparatuses comprising: a body having first and second mating sections each connected to separate tethers; locking shoes each movable between a first position configured to lock the first and second mating sections together and a second position configured to allow the first and second mating sections to disconnect; an actuator configured to move the locking shoes between the first and second positions; wherein each of the locking shoes comprises a locking surface configured to contact an engagement surface of the second mating section and maintain a position of the first mating section with the second mating section; wherein portions of the locking surface comprise toric geometries that are not in contact with the engagement surface when the locking shoes are in the first position and do not come into contact with the engagement surface as the locking shoes transition to the second position.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [X] US 3905190 A 19750916 - PEARLMAN MICHAEL D
- [A] US 2008145264 A1 20080619 - HETZNER DENNIS W [US], et al
- See references of WO 2016118485A1

Designated contracting state (EPC)
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