

Title (en)
SNAP-ON LINER RETENTION DEVICE

Title (de)
EINRAST-RÜCKHALTEVORRICHTUNG FÜR AUSKLEIDUNG

Title (fr)
DISPOSITIF DE RETENUE DE REVÊTEMENT ENCLIQUETABLE

Publication
EP 3627092 A1 20200325 (EN)

Application
EP 19208507 A 20160401

Priority
• US 201562142099 P 20150402
• EP 16774375 A 20160401
• US 2016025725 W 20160401

Abstract (en)
A shaped charge retainer ring for use in containing the liner of a shaped charge and the explosive material. Generally, when completing a subterranean well for the production of fluids, minerals, or gases from underground reservoirs, several types of tubulars are placed downhole as part of the drilling, exploration, and completions process. These tubulars can include casing, tubing, pipes, liners, and devices conveyed downhole by tubulars of various types. Each well is unique, so combinations of different tubulars may be lowered into a well for a multitude of purposes.

IPC 8 full level
F42B 1/036 (2006.01)

CPC (source: EP US)
E21B 43/119 (2013.01 - EP US); **F42B 1/02** (2013.01 - EP US); **F42B 1/028** (2013.01 - EP US); **F42B 1/036** (2013.01 - EP US); **F42B 3/08** (2013.01 - US); **E21B 43/117** (2013.01 - US); **F42D 3/04** (2013.01 - US)

Citation (search report)
• [XYI] US H1504 H 19951205 - CRABTREE LARRY E [US]
• [YA] US 7493861 B1 20090224 - WALTERS WILLIAM P [US]
• [A] US 3667393 A 19720606 - ARONSSON LARS BERTIL, et al
• [A] US 7752971 B2 20100713 - LOEHR JOHN D [US]
• [A] DE 69610395 T2 20010308 - GIAT IND SA [FR]
• [A] US 8677902 B1 20140325 - ROCK THOMAS MICHAEL [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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DOCDB simple family (application)
US 2016025725 W 20160401; CA 2980931 A 20160401; EP 16774375 A 20160401; EP 19208507 A 20160401; PL 16774375 T 20160401; US 201615563816 A 20160401; US 202017118604 A 20201211