

Title (en)

Tube head equipped with a lid, associated with an improved perforating cap which ensures protection of the lid prior to first use thereof

Title (de)

Tubenkopf mit Verschlussorgan, das mit einem verbesserten Stopfen mit Perforation ausgestattet ist, der für den Schutz des Verschlussorgans vor seiner ersten Verwendung sorgt

Title (fr)

Tête de tube munie d'un opercule, associée à un bouchon perforateur amélioré assurant la préservation de l'opercule préalablement à sa première utilisation

Publication

**EP 2749505 B1 20150909 (FR)**

Application

**EP 13199089 A 20131220**

Priority

FR 1262805 A 20121226

Abstract (en)

[origin: EP2749505A1] The assembly has a removable spacing ring (3) that bears against a shoulder around a neck. The ring and a cap (2) are formed integrally in one unit and joined by material bridges. The ring is provided with an internal diameter greater than an external diameter of cap to enable the cap to slide through the ring after breakage of material bridges. The ring is provided with the internal stops (33) adapted to limit the movement of cap through the ring to keep a punch (22) spaced from lid when the cap is screwed onto neck and butted against the ring.

IPC 8 full level

**B65D 35/44** (2006.01); **B65D 51/22** (2006.01)

CPC (source: BR EP RU US)

**B65D 35/44** (2013.01 - BR EP RU US); **B65D 51/225** (2013.01 - EP RU US); **B65D 41/20** (2013.01 - US); **B65D 2251/0028** (2013.01 - EP RU US); **B65D 2251/0096** (2013.01 - EP RU US)

Cited by

FR3050186A1; EP3235753A1; WO2019011439A1; WO2019011438A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2749505 A1 20140702; EP 2749505 B1 20150909;** BR 102013033485 A2 20141230; BR 102013033485 B1 20201027; CN 103895943 A 20140702; CN 103895943 B 20170808; ES 2549799 T3 20151102; FR 3000037 A1 20140627; FR 3000037 B1 20150227; MX 2014000206 A 20150326; MX 350266 B 20170831; PL 2749505 T3 20160429; RU 2013157520 A 20150627; RU 2637976 C2 20171208; US 2014175099 A1 20140626; US 8944271 B2 20150203

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