

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 2749507 A1 20140702 (FR)

Application

EP 13199091 A 20131220

Priority

FR 1262804 A 20121226

Abstract (en)

The assembly has a tube head including a neck defining a longitudinal axis. A shoulder and an insert are allowed to form a cover for sealing the neck. A stopper (2) includes a punch that is adapted to cut the cover. A removable spacing ring (3) and the stopper include pins (34) and housings (35) that cooperate so as to limit rotation of the pins with regard to the housings in a direction of screwing of the stopper on the neck so as to inhibit rupture of bridges (31) between the ring and the stopper during screwing of the stopper on the neck.

Abstract (fr)

La présente invention concerne un ensemble comprenant - une tête de tube (1) comprenant un opercule, - un bouchon (2) comprenant un poinçon (22), - une bague (3) d'espacement, la bague (3) étant dimensionnée de manière à maintenir le poinçon (22) à distance de l'opercule lorsque le bouchon (2) est vissé sur le goulot (11) caractérisé en ce que la bague (3) et le bouchon (2) comprennent des ergots et logements coopérant de manière à limiter leur rotation relative de l'un par rapport à l'autre dans le sens du vissage du bouchon (2) sur le goulot (11).

IPC 8 full level

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

CPC (source: EP US)

B65D 35/44 (2013.01 - EP US); **B65D 51/22** (2013.01 - US); **B65D 51/225** (2013.01 - EP US); **B65D 2251/0028** (2013.01 - EP US); **B65D 2251/0096** (2013.01 - EP US)

Citation (search report)

- [A] DE 202004004539 U1 20040527 - MAUER AG [DE]
- [A] FR 81443 E 19630920 - PERFECTURE
- [A] US 2004200855 A1 20041014 - WEILER GERHARD H [US]

Cited by

DE102015221993A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2749507 A1 20140702; BR 102013033486 A2 20141230; CN 103895944 A 20140702; FR 3000036 A1 20140627; FR 3000036 B1 20150220; MX 2014000205 A 20150209; RU 2013157512 A 20150627; US 2014190973 A1 20140710

DOCDB simple family (application)

EP 13199091 A 20131220; BR 102013033486 A 20131226; CN 201310757224 A 20131225; FR 1262804 A 20121226; MX 2014000205 A 20140107; RU 2013157512 A 20131224; US 201314140532 A 20131226