

Title (en)
injection Apparatus

Title (de)
Injektionsvorrichtung

Title (fr)
Appareil d'injection

Publication
EP 2589875 A1 20130508 (EN)

Application
EP 12190273 A 20121026

Priority
US 201113286744 A 20111101

Abstract (en)
An injection apparatus (10) is provided and includes an annular base (20) defining an injection hole location (200) and having a protrusion (25) about the injection hole location (200) and a tubular body (40) formed to define an injection hole (401), the tubular body (40) to be sealably fastened to the annular base (20) and the protrusion (25) at the injection hole location (200) such that the tubular body (40) and the protrusion (25) cooperatively define a plenum (50) such that the plenum (50) is communicative with the injection hole (401).

IPC 8 full level
F23R 3/06 (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)
F23R 3/06 (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US); **F23R 2900/03282** (2013.01 - EP US)

Citation (search report)
[X] US 7000396 B1 20060221 - STOREY JAMES MICHAEL [US]

Cited by
EP3220053A1; WO2015030927A1; EP3039346A4

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 2589875 A1 20130508; **EP 2589875 B1 20141210**; CN 103090412 A 20130508; US 2013104553 A1 20130502

DOCDB simple family (application)
EP 12190273 A 20121026; CN 201210431695 A 20121101; US 201113286744 A 20111101