Title (en)

ELECTROMAGNETICALLY-CONTROLLED FILLING TUBE

Title (de)

ELEKTROMAGNETISCH GESTEUERTES FÜLLROHR

Title (fr)

BEC DE REMPLISSAGE A COMMANDE ELECTROMAGNETIQUE

Publication

EP 1499556 B1 20120606 (FR)

Application

EP 03740623 A 20030416

Priority

- FR 0301214 W 20030416
- FR 0204987 A 20020422

Abstract (en)

[origin: US2003196721A1] The filler spout comprises a tubular body having mounted therein a valve member and a magnetic actuator element connected to the valve member via a coupling member comprising two elements that are coupled to each other via a coupling that includes radial clearance.

IPC 8 full level

B67C 3/26 (2006.01); **B67C 3/28** (2006.01)

CPC (source: EP US)

B67C 3/26 (2013.01 - EP US); **B67C 3/281** (2013.01 - EP US); Y10S 141/01 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2003196721 A1 20031023; **US 6810931 B2 20041102**; BR 0309074 A 20050222; BR 0309074 B1 20120904; CN 100396592 C 20080625; CN 1646413 A 20050727; EP 1499556 A1 20050126; EP 1499556 B1 20120606; ES 2387984 T3 20121005; FR 2838730 A1 20031024; FR 2838730 B1 20040618; JP 2005523214 A 20050804; PT 1499556 E 20120730; WO 03089364 A1 20031030

DOCDB simple family (application)

US 41321503 A 20030415; BR 0309074 A 20030416; CN 03808753 A 20030416; EP 03740623 A 20030416; ES 03740623 T 20030416; FR 0204987 A 20020422; FR 0301214 W 20030416; JP 2003586088 A 20030416; PT 03740623 T 20030416