

Title (en)
METERING DEVICE

Title (de)
DOSIEREINRICHTUNG

Title (fr)
DISPOSITIF DE DOSAGE

Publication
EP 2117695 A1 20091118 (DE)

Application
EP 07848072 A 20071212

Priority
• EP 2007063756 W 20071212
• DE 102007004799 A 20070131

Abstract (en)
[origin: WO2008092530A1] The invention relates to a metering device (1) for liquid fuels, in particular for introduction into a chemical reformer for producing hydrogen or into an after-burning apparatus for generating heat. The metering apparatus (1) has at least one proportioning apparatus (2) for proportioning fuel into a proportioning line (8) and a delivery unit (7) which follows the proportioning line (8) and delivers the fuel into a proportioning space. The delivery unit (7) is configured as a purely mechanical valve (11) which opens and closes with a frequency of about 1500 Hz.

IPC 8 full level
B01J 4/02 (2006.01); **B01J 19/26** (2006.01); **B05B 1/30** (2006.01); **F02M 61/04** (2006.01)

CPC (source: EP US)
B01J 4/002 (2013.01 - EP US); **B01J 4/02** (2013.01 - EP US); **B01J 19/26** (2013.01 - EP US); **C01B 3/323** (2013.01 - EP US); **C01B 3/38** (2013.01 - EP US); **F01N 3/0253** (2013.01 - EP US); **F02M 53/043** (2013.01 - EP US); **C01B 2203/0261** (2013.01 - EP US); **C01B 2203/1223** (2013.01 - EP US); **C01B 2203/1229** (2013.01 - EP US); **C01B 2203/1247** (2013.01 - EP US); **C01B 2203/1252** (2013.01 - EP US); **C01B 2203/1276** (2013.01 - EP US); **C01B 2203/169** (2013.01 - EP US); **F01N 2610/11** (2013.01 - EP US); **F01N 2610/1453** (2013.01 - EP US); **F02M 61/08** (2013.01 - EP US); **F02M 63/0005** (2013.01 - EP US)

Citation (search report)
See references of WO 2008092530A1

Citation (examination)
• DE 4009236 A1 19910926 - PIERBURG GMBH [DE]
• DE 2501283 A1 19760722 - BOSCH GMBH ROBERT

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102007004799 A1 20080807; AU 2007345409 A1 20080807; CN 101600495 A 20091209; EP 2117695 A1 20091118; JP 2010516947 A 20100520; RU 2009132608 A 20110610; US 2010065664 A1 20100318; WO 2008092530 A1 20080807

DOCDB simple family (application)
DE 102007004799 A 20070131; AU 2007345409 A 20071212; CN 200780050767 A 20071212; EP 07848072 A 20071212; EP 2007063756 W 20071212; JP 2009547554 A 20071212; RU 2009132608 A 20071212; US 30556707 A 20071212