

Title (en)
Fuel nozzle

Title (de)
Zapfventil

Title (fr)
Buse de distribution

Publication
EP 2574597 A3 20130522 (DE)

Application
EP 12186471 A 20120928

Priority
• EP 11183399 A 20110930
• EP 12186471 A 20120928

Abstract (en)
[origin: EP2574597A2] The valve has an actuation lever (5) for opening a main valve against a biasing force of the main valve. A valve actuator exhibits a continuous curve with a stepless gradient. An opening force is exerted on the main valve using the stepless gradient at beginning of a valve opening stroke when the actuation lever is pressurized with an operating force lesser than another operating force in a gradient of the valve opening stroke. The actuation lever and the valve actuator of the main valve are kinematically connected with each other over a coupled gear.

IPC 8 full level
B64F 1/28 (2006.01); **B67D 7/42** (2010.01)

CPC (source: EP US)
B67D 7/04 (2013.01 - US); **B67D 7/42** (2013.01 - EP US)

Citation (search report)
• [X] DE 819366 C 19511031 - HIBY HANS
• [A] US 2113853 A 19380412 - NICHOLSON GEORGE B
• [A] FR 829352 A 19380624 - DISTRIBUTEURS AUTOMATIQUES S E
• [A] US 2005061397 A1 20050324 - MENDICINO JOHN [US], et al
• [A] GB 1420358 A 19760107 - BJOERKLUND CURT ARNOLD

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 2574597 A2 20130403; EP 2574597 A3 20130522; EP 2574597 B1 20151104; AU 2012232965 A1 20130418; AU 2012232965 B2 20150709;
CA 2791319 A1 20130330; CA 2791319 C 20180501; CN 103086314 A 20130508; CN 103086314 B 20170825; DK 2574597 T3 20160208;
ES 2559356 T3 20160211; NZ 602740 A 20131129; PL 2574597 T3 20160429; PT 2574597 E 20160208; US 2013087247 A1 20130411;
US 9051164 B2 20150609

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