

Title (en)

FUEL NOZZLE WITH FLOW ENHANCING GASKET AND AUTOMATIC SHUT-OFF

Title (de)

ZAPFPISTOLE MIT FLUSSVERBESSERNDER DICHTUNG UND AUTOMATISCHER SCHLIESSUNG

Title (fr)

BUSE DE DISTRIBUTION DE CARBURANT AVEC JOINT D'ÉTANCHÉITÉ AMÉLIORANT LE DÉBIT ET FERMETURE AUTOMATIQUE

Publication

EP 3090982 A1 20161109 (EN)

Application

EP 16000881 A 20160419

Priority

US 201514545456 A 20150506

Abstract (en)

A fuel dispensing nozzle 1, incorporating a poppet valve gasket 22 of truncated shape enhances the flow of fuel through the nozzle when actuated. A handle lever 5 for the nozzle, which is designed having an elongated and enlarged end, includes elongated slots 40 that are pivotally pinned through both the latch plate 19 and the handle link 28 in order to reduce the space between the interconnection between the front of the latch plate to the bottom of the automatic shutoff stem 17, such that by lessening the distance between these components, thereby reducing the fulcrum point for the calculation of the force necessary to open the nozzle by raising its handle lever, and reduces the force necessary to achieve nozzle opening and actuation, to less than 3,4 kPa pressure during usage and application.

IPC 8 full level

B67D 7/42 (2010.01); **B67D 7/48** (2010.01); **B67D 7/50** (2010.01)

CPC (source: EP)

B67D 7/42 (2013.01); **B67D 7/48** (2013.01); **B67D 7/50** (2013.01)

Citation (applicant)

- US 4658987 A 19870421 - FINK JR ARTHUR C [US]
- US 4397447 A 19830809 - FINK JR ARTHUR C
- US 4596278 A 19860624 - FINK JR ARTHUR C [US]
- US 5394909 A 19950307 - MITCHELL THOMAS O [US], et al
- US 5474115 A 19951212 - FINK JR ARTHUR C [US]
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- US 4031930 A 19770628 - SUTCLIFFE GRENVILLE G, et al
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Citation (search report)

- [X] US 1883843 A 19321018 - WOODFORD JOSEPH C
- [X] US 2324150 A 19430713 - GROOMES HARRY M
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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)

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DOCDB simple family (application)

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