

Title (en)
FUEL NOZZLE

Title (de)
BRENNSTOFFDÜSE

Title (fr)
BUSE DE CARBURANT

Publication
EP 4339515 A1 20240320 (EN)

Application
EP 23197278 A 20230913

Priority
US 202217932319 A 20220915

Abstract (en)
A fuel nozzle (20) for a turbine engine, comprises: a flange (30) defining at least one flange passage (32,32'); a tip (50) spaced from the flange (30) , the tip (50) defining at least one tip passage (52,52'); a stem (40) having a first stem end (42a) fixedly joined to the flange (30) and a second stem end (42b) fixedly joined to the tip (50), the stem (30) having a peripheral wall extending lengthwise between the first stem end (42a) and the second stem end (42b) and peripherally around a stem chamber (44), the tip (50) sealing the stem chamber (44) at the second stem end (42b); and at least one fuel line (60,60') extending at least partially inside the stem chamber (44) and having a first line end (60a,60'a) fluidly connected to the at least one flange passage (32,32') and a second line end fluidly (60b,60'b) connected to the at least one tip passage (52,52').

IPC 8 full level
F23R 3/28 (2006.01)

CPC (source: EP US)
F23R 3/283 (2013.01 - EP US)

Citation (search report)

- [Y] US 6076356 A 20000620 - PELLETIER ROBERT R [US]
- [Y] US 2021108800 A1 20210415 - ROGERS RICHARD A [US], et al
- [Y] WO 0022347 A1 20000420 - GEN ELECTRIC [US]
- [A] EP 3769010 B1 20220803 - WOODWARD INC [US]
- [A] US 2016116168 A1 20160428 - BANDARU RAMARAO VENKAT [US], et al
- [A] US 2021310413 A1 20211007 - NAKAMURA ORIO [JP]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

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KH MA MD TN

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