

Title (en)

PILOT LIQUID FUEL LANCE, PILOT LIQUID FUEL SYSTEM AND METHOD OF USE

Title (de)

PILOT-FLÜSSIGBRENNSTOFFLANZE, PILOT-FLÜSSIGBRENNSTOFFSYSTEM UND VERWENDUNGSVERFAHREN

Title (fr)

LANCE DE CARBURANT LIQUIDE PILOTE, SYSTÈME DE CARBURANT LIQUIDE PILOTE ET PROCÉDÉ D'UTILISATION

Publication

**EP 3227613 A1 20171011 (EN)**

Application

**EP 15788347 A 20151019**

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- EP 2015074154 W 20151019

Abstract (en)

[origin: EP3029379A1] A liquid fuel lance 156 for a burner 30 of a combustor 16 of a gas turbine combustor, a liquid fuel system incorporating the liquid fuel lance and a method of operating the liquid fuel system are disclosed. The liquid fuel lance 156 comprises an elongate liquid fuel lance body 168 and a liquid fuel tip 172. The elongate liquid fuel lance body 168 comprises a fuel flow passage 170 and at least a first air passage 130A and a second air passage 130B, 130C. A liquid fuel tip 172 defines a fuel outlet 186 and arranged about the fuel outlet 186 at least a first outlet 190A and a second outlet 190B, 190C to which air is independently supplied by the first air passage 130A and the second air passage 130B, 130C respectively, and wherein the amount of air supplied to the first air passage 130A is variable.

IPC 8 full level

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Citation (search report)

See references of WO 2016087110A1

Citation (examination)

US 2009293482 A1 20091203 - DAVIS JR LEWIS BERKLEY [US], et al

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