

Title (en)
FILM EVAPORATOR BURNER ARRANGEMENT

Title (de)
FILMVERDAMPFER-BRENNERANORDNUNG

Title (fr)
ENSEMBLE FORMANT BRÛLEUR ET ÉVAPORATEUR DE FILM

Publication
EP 3175175 A1 20170607 (DE)

Application
EP 15747974 A 20150721

Priority
• DE 102014110834 A 20140731
• DE 2015100307 W 20150721

Abstract (en)
[origin: WO2016015713A1] A film evaporator burner arrangement (1) is provided, having: a combustion chamber arrangement comprising a combustion chamber (2) for the conversion of a fuel-air mixture with the release of heat, which extends in the axial direction along a longitudinal axis (Z); a combustion air supply (5) for the supply of combustion air, which is configured such that the combustion air is supplied with a tangential flow component to at least one combustion air inlet (8) of the combustion chamber arrangement; a film evaporator surface (4) for evaporating liquid fuel originating from a fuel film (10), which is arranged at a rear wall (3) axially rearward of the combustion air inlet (8); and a fuel supply (9) for the supply of liquid fuel to the film evaporator surface (4).

IPC 8 full level
F23D 11/10 (2006.01); **F23D 5/04** (2006.01); **F23D 5/06** (2006.01); **F23D 11/44** (2006.01)

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Citation (examination)
• JP S61280305 A 19861210 - ISUZU MOTORS LTD
• DE 19812561 C5 20060216 - EBERSPAECHER J GMBH & CO [DE]
• See also references of WO 2016015713A1

Designated contracting state (EPC)
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