

Title (en)
BURNER DEVICE

Title (de)
BRENNERVORRICHTUNG

Title (fr)
DISPOSITIF DE BRÛLEUR

Publication
EP 3757457 A4 20211201 (EN)

Application
EP 19756559 A 20190201

Priority
• JP 2018028856 A 20180221
• JP 2019003694 W 20190201

Abstract (en)
[origin: EP3757457A1] Provided is a burner device (1) for supplying a premixture (M) of a fuel gas (F) and a combustion-supporting gas (A) into a combustion region (R), the burner device including: a premixing path (3) configured to premix the fuel gas and the combustion-supporting gas; and a porous burner head (7) made of a sintered metal and configured to pass the premixture (M) from the premixing path (3) through the burner head and to inject the premixture into the combustion region (R), wherein the burner head (7) includes: an inner layer (51) facing the premixing path (3) and made of a sintered metal having a large particle size; and an outer layer (53) facing the combustion region (R) and made of a sintered metal having a smaller particle size than that of the inner layer (51).

IPC 8 full level
F23D 14/16 (2006.01)

CPC (source: EP KR)
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Citation (search report)
• [XA] US 3947233 A 19760330 - SUNDBERG CARL AXEL
• [A] EP 0530630 A1 19930310 - BUDERUS HEIZTECHNIK GMBH [DE]
• [A] JP H0328611 A 19910206 - NIPPON KOKAN KK
• [A] JP 2013057448 A 20130328 - TOHO GAS KK
• See also references of WO 2019163488A1

Designated contracting state (EPC)
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