

Title (en)
BURNER DEVICE

Title (de)
BRENNERVORRICHTUNG

Title (fr)
DISPOSITIF DE BRÛLEUR

Publication
EP 3757457 A1 20201230 (EN)

Application
EP 19756559 A 20190201

Priority
• JP 2018028856 A 20180221
• JP 2019003694 W 20190201

Abstract (en)
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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Designated extension state (EPC)
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EP 3757457 A1 20201230; **EP 3757457 A4 20211201**; **EP 3757457 B1 20240424**; CN 111868441 A 20201030; CN 111868441 B 20230411;
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