

Title (en)  
COMBUSTION APPARATUS

Title (de)  
VERBRENNUNGSVORRICHTUNG

Title (fr)  
APPAREIL DE COMBUSTION

Publication  
**EP 3477199 B1 20220316 (EN)**

Application  
**EP 18194220 A 20180913**

Priority  
JP 2017205081 A 20171024

Abstract (en)  
[origin: EP3477199A1] A combustion apparatus includes burners, a burner chamber that houses the burners, and a heat exchanger that collects heat emitted from the burner to heat a heating medium. A side space connected to an upper space of a burner port is provided between a burner arrangement section and a burner chamber side wall. A partition wall having suction holes communicating with gas introduction ports of the burners is provided in front of the burner arrangement section. A front space guiding air introduced into the burner chamber to the suction holes is provided between the partition wall and a burner chamber front wall. A flow controller that restricts air in the front space from forming a turbulent flow and flowing from a no suction hole area to a suction hole area side, is provided at the front of the side of the suction hole area of the partition wall.

IPC 8 full level  
**F23L 1/00** (2006.01); **F23D 14/04** (2006.01); **F23D 14/70** (2006.01)

CPC (source: CN EP)  
**F23D 14/045** (2013.01 - EP); **F23D 14/70** (2013.01 - EP); **F23L 1/00** (2013.01 - EP); **F24H 1/145** (2013.01 - CN); **F24H 9/0005** (2013.01 - CN); **F24H 9/1836** (2013.01 - CN)

Cited by  
CN110319440A; CN115111583A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3477199 A1 20190501**; **EP 3477199 B1 20220316**; CN 109695957 A 20190430; CN 109695957 B 20220201; JP 2019078445 A 20190523; JP 6905914 B2 20210721

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**EP 18194220 A 20180913**; CN 201811242876 A 20181024; JP 2017205081 A 20171024