

Title (en)  
BOILER

Title (de)  
KESSEL

Title (fr)  
CHAUDIÈRE

Publication  
**EP 3913283 A4 20220309 (EN)**

Application  
**EP 20760113 A 20200108**

Priority  
• JP 2019030836 A 20190222  
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Abstract (en)  
[origin: EP3913283A1] Provided is a boiler that can cool a secondary burner even if the small capacity secondary burner is not in operation when a large capacity primary burner is in operation. The boiler includes: a combustion vessel (11) forming a combustion chamber (24); a primary burner provided to the combustion vessel (11); a secondary burner (13) provided to the combustion vessel (11), provided downstream of flame formed by the primary burner, and having a smaller capacity than the primary burner; a secondary burner wind box (40) accommodating the secondary burner (13) and attached to the combustion vessel (11); a secondary burner air fan (44) configured to supply air to the secondary burner wind box (40); and a control unit configured to control the secondary burner air fan (44). When the primary burner is in operation and the secondary burner (13) is not in operation, the control unit controls the secondary burner air fan (44) such that the pressure of the secondary burner wind box (40) is higher than the pressure of the combustion vessel (11).

IPC 8 full level  
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CPC (source: EP KR)  
**F22B 13/06** (2013.01 - EP); **F22B 31/04** (2013.01 - EP KR); **F22B 35/00** (2013.01 - EP); **F23C 1/08** (2013.01 - EP); **F23C 6/045** (2013.01 - EP); **F23D 14/78** (2013.01 - KR); **F22B 21/04** (2013.01 - EP); **F22B 21/081** (2013.01 - EP); **F23D 14/78** (2013.01 - EP)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2020170622A1

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