

Title (en)  
HEAT RECOVERY DEVICE

Title (de)  
WÄRMERÜCKGEWINNUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE RÉCUPÉRATION DE CHALEUR

Publication  
**EP 4033146 A1 20220727 (EN)**

Application  
**EP 21153485 A 20210126**

Priority  
EP 21153485 A 20210126

Abstract (en)  
The invention relates to a heat recovery device, in particular for a boiler, the heat recovery device comprising a water storage device comprising an outer wall, an inner wall delimiting an inner space of the water storage device for receiving water, wherein the inner space is fluidically connectable to a transfer conduit, in particular for transferring water received in the water storage device to the boiler, an exhaust gas line for receiving exhaust gas from the boiler comprising a line inlet portion for inletting the exhaust gas into the heat recovery device, a line outlet portion for outputting the received exhaust gas from the heat recovery device and a line middle portion that is fluidically arranged between the line inlet portion and the line outlet portion, wherein the line middle portion is arranged between the outer wall and the inner wall and the inner wall provides thermal contact between the inner space and the line middle portion.

IPC 8 full level  
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CPC (source: EP)  
**F22D 1/26** (2013.01); **F22D 3/06** (2013.01)

Citation (applicant)  
• WO 2011060524 A1 20110526 - ALOHA ENERGY SOLUTION INC [US], et al  
• US 6564755 B1 20030520 - WHELAN THOMAS I [US]  
• US 2019154359 A1 20190523 - CHAMBERLAIN LUKE [GB]  
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Citation (search report)  
• [X] DE 296329 C  
• [X] US 2276780 A 19420317 - BIRGER JOHANSSON  
• [XDI] GB 2459879 B 20100526 - ZENEX TECHNOLOGIES LTD [GB]  
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DOCDB simple family (publication)  
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**EP 21153485 A 20210126**; EP 2022051666 W 20220126; EP 22701636 A 20220126