

Title (en)  
DUAL PURPOSE HEAT EXCHANGER

Title (de)  
DOPPELZWECK-WÄRMETAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR À DOUBLE USAGE

Publication  
**EP 2828587 A2 20150128 (EN)**

Application  
**EP 13718417 A 20130315**

Priority  
• PL 39860712 A 20120323  
• PL 2013000033 W 20130315

Abstract (en)  
[origin: WO2013141728A2] A dual purpose heat exchanger comprises a central heating fluid circuit and hot utility water circuit. The exchanger contains fired or heated by flow of water or steam main heat exchanger and coil (2) enclosed by an external jacket (3) equipped with an inlet stub pipe (6) for fluid heating the utility water in the coil (2) as well as an inlet stub pipe (4) and outlet stub pipe (5) for utility water; however, the flow chamber of fluid heating the utility water in the coil (2) is connected with the flow chamber (8) of heated fluid in the main exchanger. Preferably, the coil (2) is wound on the jacket (1) of the main exchanger, and the flow chamber of fluid heating the utility water in the coil (2) is connected through at least one overflow hole (7) with the flow chamber (8) of heated fluid in the main exchanger.

IPC 8 full level  
**F24H 1/52** (2006.01); **F24H 1/28** (2006.01); **F24H 9/00** (2006.01); **F28D 7/00** (2006.01); **F28D 7/02** (2006.01); **F28D 7/16** (2006.01); **F28F 1/42** (2006.01); **F28F 3/04** (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP)  
**F24H 1/287** (2013.01); **F24H 1/52** (2013.01); **F28D 7/0066** (2013.01); **F28D 7/024** (2013.01); **F28D 7/1676** (2013.01); **F28D 7/1684** (2013.01); **F28F 9/013** (2013.01); **F24H 9/0015** (2013.01); **F28F 1/426** (2013.01); **F28F 3/044** (2013.01)

Citation (search report)  
See references of WO 2013141728A2

Cited by  
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Designated extension state (EPC)  
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**WO 2013141728 A2 20130926**; **WO 2013141728 A3 20131121**; EP 2828587 A2 20150128; EP 2828587 B1 20200812; ES 2817173 T3 20210406; PL 223959 B1 20161130; PL 2828587 T3 20210111; PL 398607 A1 20130930

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