

Title (en)  
Waste heat usage assembly

Title (de)  
Abwärmenutzungsanlage

Title (fr)  
Installation d'utilisation de la chaleur dégagée

Publication  
**EP 2530257 A3 20171220 (DE)**

Application  
**EP 12169034 A 20120523**

Priority  
DE 102011102803 A 20110530

Abstract (en)  
[origin: EP2530257A2] The system has an expansion machine (4) coupled with a generator (5) for vapor expansion in an organic Rankine cycle. A vaporizer (3) is coupled with a mist eliminator (12) that consists of a cylindrical container. The container encloses a separation chamber that includes vapor inlet pieces as a connector for the vaporizer and is arranged in an upper region of vapor outlet pieces. The mist eliminator is externally heated over a wall of the container and provided with a double mantel around the wall of the container. One of the outlet pieces protrudes in an upper region into the chamber.

IPC 8 full level  
**F01K 25/08** (2006.01); **F22B 37/30** (2006.01)

CPC (source: EP)  
**F01K 25/08** (2013.01); **F22B 37/30** (2013.01)

Citation (search report)

- [XY] EP 0128252 A1 19841219 - BABCOCK & WILCOX CO [US]
- [Y] EP 0195442 A1 19860924 - STEIN INDUSTRIE [FR]
- [A] US 4617808 A 19861021 - EDWARDS THOMAS C [US]
- [A] US 2008289313 A1 20081127 - BATSCHA DANY [IL], et al
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2530257 A2 20121205; EP 2530257 A3 20171220**; DE 102011102803 A1 20121206; DE 102011102803 B4 20141023

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**EP 12169034 A 20120523**; DE 102011102803 A 20110530