

Title (en)  
Waste heat recovery system

Title (de)  
Abwärmerückgewinnungssystem

Title (fr)  
Système de récupération de la chaleur des déchets

Publication  
**EP 2360356 A3 20170705 (EN)**

Application  
**EP 10188625 A 20101022**

Priority  
US 60657109 A 20091027

Abstract (en)  
[origin: US2011094227A1] In one embodiment, a waste heat recovery system includes a Rankine cycle system that circulates a working fluid that absorbs heat from exhaust gas. The Rankine cycle system includes an evaporator that may transfer sensible heat from the exhaust gas to the working fluid to produce cooled exhaust gas. The Rankine cycle system also includes an economizer that may transfer latent heat from the exhaust gas to the working fluid. The economizer is a carbon steel heat exchanger with a corrosion resistant coating.

IPC 8 full level  
**F01K 23/06** (2006.01); **F01K 25/08** (2006.01)

CPC (source: EP US)  
**F01K 23/065** (2013.01 - EP US); **F01K 25/08** (2013.01 - EP US)

Citation (search report)

- [Y] US 5706644 A 19980113 - NIELSEN HENRIK [CH]
- [Y] US 2003066638 A1 20030410 - QU YUZHONG [US], et al
- [Y] US 2009000299 A1 20090101 - AST GABOR [DE], et al
- [A] EP 0602795 A2 19940622 - FOSTER WHEELER ENERGY CORP [US]
- [A] EP 2080951 A1 20090722 - DAI ICHI HIGH FREQUENCY CO LTD [JP], et al
- [A] WO 2006104181 A1 20061005 - MIURA KOGYO KK [JP], et al

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)  
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