

Title (en)  
Gas heat pump system

Title (de)  
Gaswärmepumpensystem

Title (fr)  
Système de pompe à chaleur à gaz

Publication  
**EP 2629031 A3 20180711 (EN)**

Application  
**EP 12183190 A 20120905**

Priority  
KR 20120014758 A 20120214

Abstract (en)  
[origin: EP2629031A2] The present invention relates to a gas heat pump system which uses a gas engine (122), and more particularly to a gas heat pump system for driving a compressor (121) to realize a refrigerating cycle by using a gas engine (122). The gas heat pump system includes a refrigerant pipeline, a compressor (121) for compressing refrigerant, a gas engine (122) for driving the compressor (121), a cooling water pipeline (140) provided to cool down the gas engine (122), a chiller (160) having a refrigerant heat exchanger (161) for heat exchange between the refrigerant from the compressor (121) and a fluid, and a high temperature heat exchanger (162) for heat exchange between the fluid having heat exchanged thus and the cooling water.

IPC 8 full level  
**F25B 27/00** (2006.01); **F25B 13/00** (2006.01)

CPC (source: EP KR)  
**F25B 27/00** (2013.01 - EP KR); **F25B 29/00** (2013.01 - KR); **F25B 30/02** (2013.01 - KR); **F25B 13/00** (2013.01 - EP); **F25B 2313/003** (2013.01 - EP); **F25B 2313/004** (2013.01 - EP); **F25B 2313/006** (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2313/0254** (2013.01 - EP); **F25B 2313/02741** (2013.01 - EP); **F25B 2327/001** (2013.01 - EP)

Citation (search report)  
• [XAI] US 4754614 A 19880705 - YUYAMA HIROSHI [JP]  
• [XAI] EP 1628099 A2 20060222 - LG ELECTRONICS INC [KR]  
• [XAI] EP 1628092 A2 20060222 - LG ELECTRONICS INC [KR]

Cited by  
EP3334986A4; US10634394B2

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DOCDB simple family (publication)  
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