

Title (en)  
AIR CONDITIONING SYSTEM FOR A MOTOR VEHICLE

Title (de)  
KLIMAANLAGE FÜR EIN KRAFTFAHRZEUG

Title (fr)  
CLIMATISEUR POUR UN VEHICULE AUTOMOBILE

Publication  
**EP 1706282 A1 20061004 (DE)**

Application  
**EP 05706677 A 20050114**

Priority  
• DE 2005000043 W 20050114  
• DE 102004002715 A 20040119

Abstract (en)  
[origin: WO2005068229A1] The invention relates to an air conditioning system for a motor vehicle comprising a coolant circuit (1) that contains an electrically driven compressor (2), a condenser (4), an expansion valve (10) and a latent cold accumulator (12). Heat is removed from the latent cold accumulator (12) by means of the cooling circuit (1); this is referred to as the charging of the latent cold accumulator (12). The system is also equipped with means for cooling air, which are configured in such a way that heat is removed from said air and supplied to the latent cold accumulator (12). Thus the cost-effective, efficient air conditioning system can be used, in particular, when the vehicle is stationary.

IPC 8 full level  
**B60H 1/00** (2006.01); **B60H 1/32** (2006.01)

CPC (source: EP KR US)  
**B60H 1/005** (2013.01 - EP KR US); **B60H 1/323** (2013.01 - EP KR US); **F25B 25/005** (2013.01 - KR); **F28D 20/02** (2013.01 - KR); **F28D 20/02** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005068229A1

Citation (examination)  
• DE 19860057 A1 20000706 - VALEO KLIMASYSTEME GMBH [DE]  
• WO 02090848 A1 20021114 - ITALINNOVA SAS [IT], et al  
• US 5735133 A 19980407 - VOSS MARK G [US], et al  
• WO 9961269 A2 19991202 - BERGSTROM INC [US]  
• DE 10156310 C1 20021128 - WEBASTO THERMOSYSTEME GMBH [DE]  
• WO 2005102746 A1 20051103 - WEBASTO AG FAHRZEUGTECHNIK [DE], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005068229 A1 20050728**; AU 2005204993 A1 20050728; AU 2005204993 B2 20080918; BR PI0506922 A 20070605; CA 2553829 A1 20050728; CA 2553829 C 20100105; CN 101504204 A 20090812; CN 1933986 A 20070321; DE 102004002715 A1 20050915; EA 009561 B1 20080228; EA 200601346 A1 20061229; EP 1706282 A1 20061004; JP 2007518618 A 20070712; KR 100812457 B1 20080310; KR 20060118583 A 20061123; US 2008173029 A1 20080724

DOCDB simple family (application)  
**DE 2005000043 W 20050114**; AU 2005204993 A 20050114; BR PI0506922 A 20050114; CA 2553829 A 20050114; CN 200580008707 A 20050114; CN 200910005925 A 20050114; DE 102004002715 A 20040119; EA 200601346 A 20050114; EP 05706677 A 20050114; JP 2006548106 A 20050114; KR 20067016142 A 20060810; US 59729305 A 20050114