

Title (en)  
NON-MECHANICAL BLOWER

Title (de)  
NICHTMECHANISCHES GEBLÄSE

Title (fr)  
VENTILATEUR SOUFFLANT NON MECANIQUE

Publication  
**EP 1438537 A4 20050413 (EN)**

Application  
**EP 02799597 A 20020919**

Priority  
• US 0229820 W 20020919  
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Abstract (en)  
[origin: WO03027575A2] The present invention relates to a non-mechanical blower for use in heating the interior of a motor vehicle, and more particularly, to the use of thermoelectric devices used in tandem to replace conventional electromechanical blower devices.

IPC 1-7  
**F24F 1/00**; **B60H 1/00**; **F04D 33/00**; **F04F 11/00**

IPC 8 full level  
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**B60H 1/00457** (2013.01 - EP US); **F04D 33/00** (2013.01 - EP US); **F04F 99/00** (2013.01 - EP US); **F24F 5/0042** (2013.01 - EP US)

Citation (search report)  
• [A] FR 2537712 A1 19840615 - DROIT PHILIPPE [FR]  
• [A] US 6141969 A 20001107 - LAUNCHBURY BRIAN [GB], et al  
• See references of WO 03027575A2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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**WO 03027575 A2 20030403**; **WO 03027575 A3 20040304**; AU 2002334609 A1 20030407; EP 1438537 A2 20040721; EP 1438537 A4 20050413; US 2004237541 A1 20041202

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**US 0229820 W 20020919**; AU 2002334609 A 20020919; EP 02799597 A 20020919; US 80606904 A 20040322