

Title (en)  
THERMAL BARRIER FOR AIR HANDLING UNIT (AHU) CABINET

Title (de)  
WÄRMESPERRE FÜR LUFTBEHANDLUNGSEINHEITS-SCHRANK

Title (fr)  
ECRAN THERMIQUE POUR CONDUIT D'AIR

Publication  
**EP 1417443 B1 20060913 (EN)**

Application  
**EP 02761102 A 20020711**

Priority  
• US 0222468 W 20020711  
• US 90523401 A 20010713  
• US 90467601 A 20010713

Abstract (en)  
[origin: WO03006891A1] A panel (12) for use in air conditioning duct for carrying air along an enclosed path of travel. The panel includes a rectangular shaped frame (25) made of a material having a relatively high R value. The frame (25) is closed by a top cover (40) and a bottom cover (41) so that a cavity is established within the panel. The cavity is filled with a curable material that sets inside the panel to bond the walls of the frame together and to bond the covers to the frame. A bulb seal (50, 98) having high insulation characteristics extending along the length of one edge of adjoining panels so that energy transmission is further inhibited.

IPC 8 full level  
**F24F 13/02** (2006.01); **F24F 13/20** (2006.01); **F24F 1/00** (2006.01); **F25D 23/06** (2006.01)

CPC (source: EP KR)  
**F24F 13/20** (2013.01 - EP KR); **F25D 23/063** (2013.01 - EP)

Cited by  
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03006891 A1 20030123**; AT E339661 T1 20061015; AU 2002326393 B2 20070329; BR 0210961 A 20040608; CA 2451409 A1 20030123; CA 2451409 C 20070130; CN 100343598 C 20071017; CN 1541319 A 20041027; DE 60214736 D1 20061026; DE 60214736 T2 20071004; EP 1417443 A1 20040512; EP 1417443 B1 20060913; ES 2271319 T3 20070416; IL 159602 A0 20040601; IL 159602 A 20070515; JP 2004534931 A 20041118; JP 3923940 B2 20070606; KR 100548861 B1 20060202; KR 20040016904 A 20040225; MX PA04000321 A 20040504; NO 20040102 L 20040109; NO 321232 B1 20060410; NZ 530302 A 20050729; PL 367103 A1 20050221; RU 2004100838 A 20050527; RU 2285207 C2 20061010; YU 3004 A 20050719

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**US 0222468 W 20020711**; AT 02761102 T 20020711; AU 2002326393 A 20020711; BR 0210961 A 20020711; CA 2451409 A 20020711; CN 02814063 A 20020711; DE 60214736 T 20020711; EP 02761102 A 20020711; ES 02761102 T 20020711; IL 15960202 A 20020711; IL 15960203 A 20031225; JP 2003512613 A 20020711; KR 20037017198 A 20031230; MX PA04000321 A 20020711; NO 20040102 A 20040109; NZ 53030202 A 20020711; PL 36710302 A 20020711; RU 2004100838 A 20020711; YU P3004 A 20020711