

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 A1 20040512 (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 1-7  
**F24F 13/20**; **F25D 23/06**

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

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

Citation (search report)  
See references of WO 03006891A1

Cited by  
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**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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