

Title (en)  
House door leaf with heat insulation

Title (de)  
Haustürblatt mit einer Wärmedämmeinrichtung

Title (fr)  
Feuille de porte avec isolation thermique

Publication  
**EP 2241713 B1 20140702 (DE)**

Application  
**EP 10159044 A 20100401**

Priority  
• DE 102009016558 A 20090406  
• DE 102009032041 A 20090707

Abstract (en)  
[origin: EP2241713A2] The leaf (12) has a heat insulation device (112) containing a nanoporous insulation material (148), which comprises a nanoporous particle medium. The medium lies as a free-flowing particle in the device. The free-flowing particle is packed in a package (136) in a pressed manner. The package forms a vacuum insulation plate (118), and the heat insulation device contains a layer made of a foamed insulation material (39) i.e. polyurethane foam. A distance holding device (98) comprises sectional strips (22, 46, 58, 58a) with sectional areas (60, 62) made of fiber-reinforced plastic material (35). An independent claim is also included for a method for manufacturing a house door leaf.

IPC 8 full level  
**E06B 3/70** (2006.01)

CPC (source: EP)  
**E06B 1/325** (2013.01); **E06B 3/26303** (2013.01); **E06B 3/7015** (2013.01); **E06B 3/72** (2013.01); **E06B 3/726** (2013.01); **E06B 2001/707** (2013.01); **E06B 2003/2625** (2013.01); **E06B 2003/7026** (2013.01)

Cited by  
DE102014105388A1; DE102016125251A1; EP3327239A1

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