

Title (en)  
HEAT INSULATING WINDOW

Publication  
**EP 0090916 A3 19840725 (DE)**

Application  
**EP 83100960 A 19830202**

Priority  
CH 203582 A 19820402

Abstract (en)  
[origin: US4545160A] The double pane window is provided with a drying chamber which is filled with desiccant and an antechamber which extends from the drying chamber to communicate with the surrounding environment at the opposite end. The antechamber prevents a direct exit of dry air from the enclosed space between the window panes into the surrounding atmosphere during "breathing" of the window as well as drawing in of moist ambient air into the drying chamber. The antechamber also brings about a considerable increase in the diffusion resistance for the water vapor diffusion into the desiccant or the space between the window panes.

IPC 1-7  
**E06B 3/66**

IPC 8 full level  
**E06B 3/66** (2006.01); **E06B 3/677** (2006.01)

CPC (source: EP US)  
**E06B 3/677** (2013.01 - EP US)

Citation (search report)

- [X] US 3771276 A 19731113 - STEWART J, et al
- [Y] US 2597097 A 19520520 - HAVEN CHARLES D
- [A] FR 2301784 A1 19760917 - PPG INDUSTRIES INC [US]

Cited by  
DE4007934A1; CH687937A5; US4838006A; DE3842129A1; DE3808907A1; EP3872291A1; DE102020105026A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0090916 A2 19831012; EP 0090916 A3 19840725**; CA 1215589 A 19861223; CH 661769 A5 19870814; DK 41183 A 19831003; DK 41183 D0 19830202; FI 830620 A0 19830224; FI 830620 L 19831003; JP S58181993 A 19831024; NO 831150 L 19831003; US 4545160 A 19851008

DOCDB simple family (application)  
**EP 83100960 A 19830202**; CA 425127 A 19830331; CH 203582 A 19820402; DK 41183 A 19830202; FI 830620 A 19830224; JP 5536283 A 19830401; NO 831150 A 19830329; US 47802683 A 19830323