

Title (en)
Environmentally controlled breather insulated window unit.

Title (de)
Belüftete Isolierverglasung.

Title (fr)
Vitrage isolant respirant sur l'air extérieur.

Publication
EP 0202555 A1 19861126 (EN)

Application
EP 86106329 A 19860509

Priority
US 73472185 A 19850516

Abstract (en)
A multiple-glazed window unit (20) comprises a pair of glass sheets (22, 24) held in spaced relation to each other by a spacer and sealant assembly (26) defining a hermetically sealed, insulating air space between the sheets. The spacer and sealant assembly (26) is provided with at least one opening (42) through at least one pair of opposed legs (50, 52) thereof to put the insulating air space in direct communication with the atmosphere external to the unit. The openings (42) are sized and configured to allow free movement of atmospheric air and water vapor molecules through the air space to equalize air space pressure and relative humidity with that of the external atmosphere. A filtering element (40) is employed to minimize infiltration of liquid water, dust, dirt, and the like through the openings and into the air space. The unit also comprises a sash for retaining the unit within a structural opening. The sash is provided with glazing pockets for holding the sealed edges of the assembled glass sheets. The base of the glazing pockets are spaced from the outer surface of the spacer and sealant assembly to provide air passageway chambers therebetween. Openings are provided through the sash to put the air chambers, and therefore, the air space, in direct communication with the external atmosphere.

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E06B 3/66

IPC 8 full level
E06B 3/677 (2006.01)

CPC (source: EP KR)
E06B 3/66 (2013.01 - KR); **E06B 3/677** (2013.01 - EP)

Citation (search report)

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