

Title (en)

Method and apparatus for filling insulating glass units with gas other than air

Title (de)

Verfahren und Vorrichtung zum Füllen von Isolierglasscheiben mit einem von Luft unterschiedlichen Gas

Title (fr)

Procédé et dispositif pour remplir des vitrages isolants avec un gaz différent de l'air

Publication

EP 0603148 B1 19961218 (DE)

Application

EP 93890160 A 19930823

Priority

- AT 251992 A 19921218
- DE 9302744 U 19930225

Abstract (en)

[origin: EP0603148A1] An apparatus for filling insulating glass units (10) with filler gas has two panels (1 and 2) and an endless conveyor belt (9) which is provided at the lower border of the panels (1 and 2) and on which the insulating glass unit (10) stands by means of its lower, open border. Provided between the panels (1 and 2) are sealing devices (30 and 31), which can be laid on the vertical borders of the insulating glass unit (10), in order to seal off the interior of the insulating glass unit (10). The sealing device (30) is assigned a connection (50) for feeding filler gas into the interior of the insulating glass unit (10). Air or an air/gas mixture can be discharged out of the insulating glass unit (10) via a duct formed by the other vertical border of the insulating glass unit (10) and a sealing device (31) provided there, it being possible for air or an air/gas mixture to flow out of the interior of the insulating glass unit (10) over the entire height of the open, vertical border thereof. <IMAGE>

IPC 1-7

E06B 3/66; **C03C 27/12**

IPC 8 full level

C03C 27/12 (2006.01); **E06B 3/66** (2006.01); **E06B 3/677** (2006.01)

CPC (source: EP US)

E06B 3/6775 (2013.01 - EP US)

Cited by

AT409263B; EP0674085A1; US5676782A; EP0674086A1; EP0715053A3; US5735318A; US8758532B2; US8905085B2; EP0715053A2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0603148 A1 19940622; **EP 0603148 B1 19961218**; AT E146557 T1 19970115; DE 4327977 A1 19940623; DE 4327977 C2 19981105; DE 59304820 D1 19970130; DE 9302744 U1 19940519; ES 2096269 T3 19970301; US 5413156 A 19950509; US 5476124 A 19951219

DOCDB simple family (application)

EP 93890160 A 19930823; AT 93890160 T 19930823; DE 4327977 A 19930819; DE 59304820 T 19930823; DE 9302744 U 19930225; ES 93890160 T 19930823; US 14550493 A 19931104; US 34390094 A 19941117