

Title (en)

Method for filling the inner space of insulating glass clots with gas

Title (de)

Verfahren zum Füllen des Innenraumes von Isolierglasrohlingen mit Gas

Title (fr)

Procédé pour le remplissage d'espace intérieur de verre isolant en forme de départ de gaz

Publication

EP 0444391 B2 20001227 (DE)

Application

EP 90890281 A 19901015

Priority

AT 47390 A 19900228

Abstract (en)

[origin: US5110337A] For filling the inner space of an insulating glass panel (1) with argon, one glass pane is maintained at a distance from the spacer frame in the region of one corner (2) during pressing of the insulating glass panel (1), by holding this glass pane at a spacing from the spacer frame by pivoting of a portion (12) of the press plate (11), with the aid of suction cups (19, 20) provided at this portion (12). Through the thus-formed gap, a probe (4) for feeding argon and a probe (5) for exhausting air from the inner space of the insulating glass panel are introduced. The probe (4) blowing argon into the inner space is oriented in parallel to the lower horizontal leg of the insulating glass panel (1), and the other probe (5), exhausting air and/or air-argon mixture, exhibits an orifice pointing obliquely upwardly, i.e. away from the other probe (4). Thereby, insulating glass panels (1) can be produced with a filling of the inner space other than air without having to drill holes into the spacer frame, the gas exchange proceeding in such a way that argon is intermixed to an only quite limited extent with the air displaced from the inner space.

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CPC (source: EP US)

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Cited by

EP0805254A3; US5626712A; US5645678A; US5413156A; US5476124A; DE4327977C2; EP0715053A2

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