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(54) Method for assembling insulating panels and apparatus for implementing such method

(57) A method for assembling insulating panels, particularly for multipane glazing units formed by a pair of facing glass panes (V', V'') and a spacer element (D) interposed between the panes, comprises the steps of: a) placing a first pane (V') in a substantially vertical position and providing a second pane (V'') with a spacer element (D) having at least one side (L, L') in correspondence of each peripheral edge (B, B', B'') of the second pane (V''); b) positioning the panes (V', V'') in a mutually facing relationship with a predetermined horizontal spacing (R) to define an interior space (3) between the panes (V', V''); c) introducing a substantially inert gas in the interior space (3) by using appropriate supply means (4); d) moving closer and pressing together the first (V') and the second panes (V'') with the spacer element (D) interposed therebetween, to close the interior space (3) and form an assembled panel (P); e) withdrawing the assembled panel (P). The gas is introduced with the first (V') and the second panes (V'') reciprocally offset in a vertical direction to define a lateral gas supply port (5) for gas filling and allow rapid and uniform filling of the interior space (3).

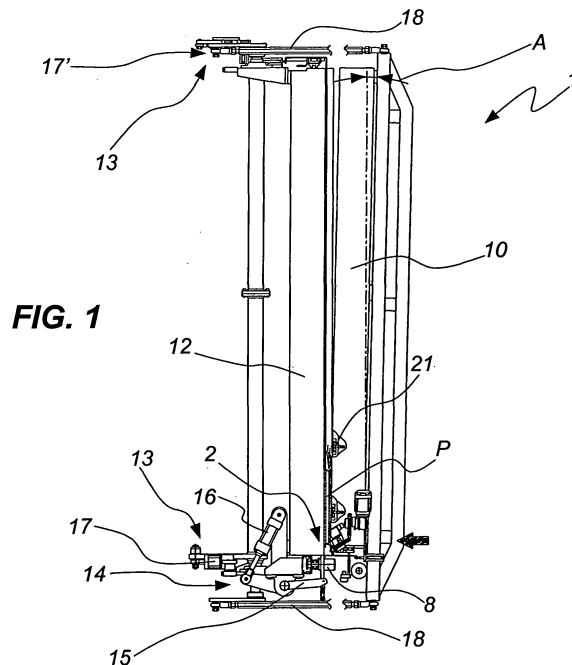


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 04 02 8840

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	DE 94 22 004 U1 (LENHARDT MASCHINENBAU GMBH, 75242 NEUHAUSEN, DE) 2 January 1998 (1998-01-02) * page 5, paragraph 3 * * page 9, line 10 - page 13, line 26 * * figures 1-5 *	1,4,7,9, 10,17,18	INV. E06B3/677
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E	WO 2006/002975 A (LENHARDT MASCHINENBAU GMBH; SCHULER, PETER) 12 January 2006 (2006-01-12) * page 20, line 3 - page 23, line 2 * * page 24, line 24 - page 25, line 12 * * figures 3-10 *	1,10-12, 17,18	
			TECHNICAL FIELDS SEARCHED (IPC)
			E06B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 25 April 2006	Examiner Depoorter, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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25-04-2006

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