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(54) **Automatic system of devices for insulating glass spacer frame transfer between multiple processing stations**

(57) The present application has as subject a system of automatic devices for the transfer of insulated glass spacer frames between multiple working stations, these so-named stations including, in order to give an example, a machine (PB) that forms the spacer frame by beginning from a straight bar in order to obtain, by bending and/or calendering, a closed frame, a machine (DF) for filling the hollow part of the frame with hygro-

scopic material, a machine (MB) that applies the sealant to the spacer frame's side faces, an insulating glass manufacturing line (IL).

An essential feature of the devices is formed by the particular way in which the same frames are handled in every phase during its conveying process, while taking into consideration the spacer frame's aspects of lightness, deformity and variety of dimension.

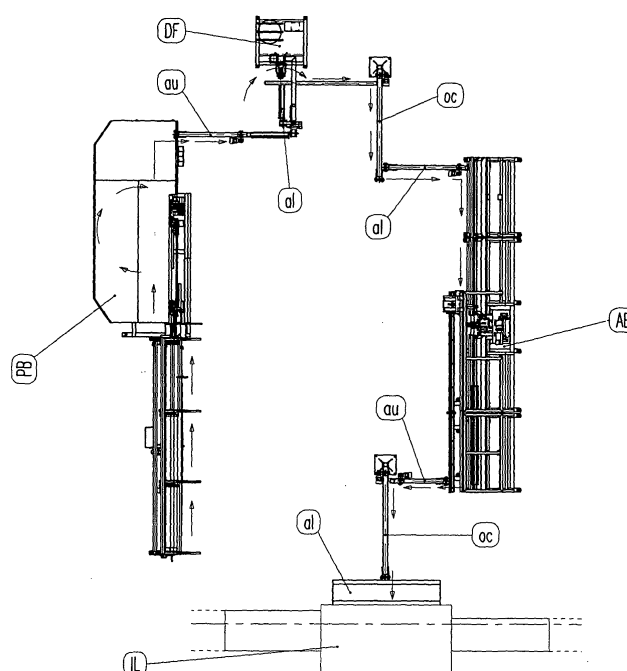


Fig. 3

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EUROPEAN SEARCH REPORT

Application Number
EP 01 12 4668

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	DE 44 38 502 C (FR XAVER BAYER ISOLIERGLASFABR) 8 February 1996 (1996-02-08) * column 10, line 30 - column 19, line 38 * * figures *	1-9	E06B3/673
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			E06B B65G
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		28 November 2002	Verdonck, B
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82