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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

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Margaret A. Focarin

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(12) **United States Patent**
Abdul Lathief

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(54) **GLAZING SYSTEM**

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(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 136 days.

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See application file for complete search history.

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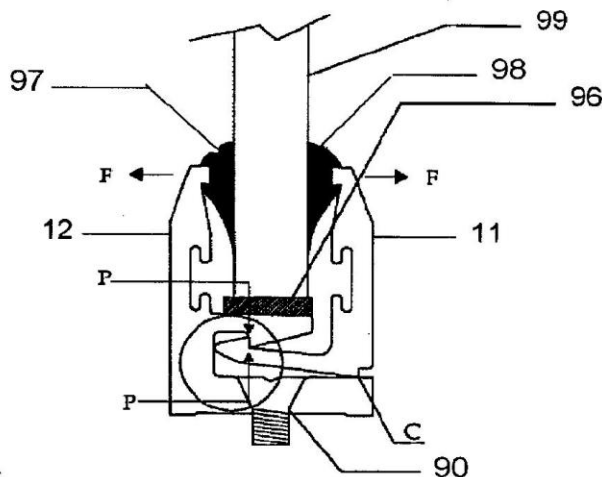
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(57) **ABSTRACT**

A self-lock glazing mechanism of two aluminum extrusion profiles, a male profile and a female profile, to self-lock glass panels using beadings. The mechanism functions when a glass panel is positioned on setting blocks over the flat surface of the upper leg of the female profile—with spacers between the vertical leg of the female profile and the glass panel and the male profile with the locking tip facing upward on its horizontal leg inserted into the gap between the upper leg and the lower leg of the female profile against the female locking tip above. The locking tips of both male and female profiles are then engaged by tilting the vertical leg of the male profile outward about its built-in fulcrum, and inserting wedges into the space created between the glass panel and the vertical leg of the male profile, for keeping the glass panel locked in position. The mechanism further tightens grip on the edges of the glass panel when the spacers and wedges are replaced by rubber beading of appropriate resilience for glazing to avoid touching metal and to allow expansion and to absorb impacts.

10 Claims, 5 Drawing Sheets



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