GLASS HANDLING AND PROCESSING SYSTEM

Abstract: Systems, methods and apparatus relate to handling and processing glass, such as glass for use in liquid crystal displays, involving a measurement device, such as a distortion gauge, residing in an environmentally controlled measurement room, and a cassette loading device for storage and conveyance of glass between the measurement device and other components of a glass handling and processing system residing with the cassette loading device in a preparation room. A mail-slot opening may be present in a wall separating the measurement room from the preparation room. A gauge conveyor may convey glass between the cassette loading device and the measurement device. A distortion gauge may measure a reference value of the product glass with respect to reference marks on a glass reference plate of the distortion gauge. Other examples of a measurement device include a warp gauge, a stress gauge, a thickness gauge, and a compaction gauge.
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Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PatBase, Google Patents

C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<td>US 4,058,200 A (FRANK) 15 November 1977 (15 11 177) entire document</td>
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<td>US 4,585,343 A (SCHAVE et al) 29 April 1986 (29 04 1986) entire document</td>
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<td>US 2006/0042315 A1 (CHANG et al) 02 March 2006 (02 03 2006) entire document</td>
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Further documents are listed in the continuation of Box C

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