

Title (en)
Apparatus for aligning pliable sheet material.

Title (de)
Vorrichtung zum Ausrichten faltbarer Bögen.

Title (fr)
Dispositif d'alignement de matériau en feuilles pliable.

Publication
EP 0019723 A1 19801210 (EN)

Application
EP 80102241 A 19800425

Priority
US 4274179 A 19790529

Abstract (en)
In an apparatus for aligning pliable sheet material, such as paper, feed rollers (12) feed the material between guide members (16, 17) so that its leading edge is forced against at least a portion of a stop surface (24) and then, if necessary, the material buckles to allow its leading edge to align with the stop surface (24). The stop surface (24) is formed on an alignment lever (25) which is held fast on a shaft (26) which can pivot in bearings (27). However, the alignment lever (25) is latched by a latch bar (38) so that the stop surface (24) lies in the path of the sheet material. A sensing member (32) senses when the leading edge of the material is aligned with the stop surface (24) and releases the latch bar allowing the lever (25) to pivot, due to sheet material being forced against the stop surface (24) by the feed rollers (12), so that the material enters the nip between transport rollers (22). The sensing member (32) is disposed at one end of a lever (34) which is held fast on a shaft (35) pivotally mounted in bearings (36), the latch bar (38) being also held fast on shaft (35). Alternatively, the latch bar (38) may be released from the lever (25) in response to photoelectric sensing of the fact that the leading edge of the material is aligned with the stop surface (24).

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