

Title (en)  
VERTICAL STITCHING MACHINE AND METHOD

Title (de)  
SENKRECHTE STEPPMASCHINE UND VERFAHREN

Title (fr)  
MACHINE A PIQUER VERTICALE ET SON PROCEDE

Publication  
**EP 1109960 A1 20010627 (EN)**

Application  
**EP 98920973 A 19980508**

Priority  
US 9809088 W 19980508

Abstract (en)  
[origin: CA2331506A1] A stitching machine (10) and method orients cooperating needle (54) and hook (56) components in spaced horizontal alignment, suspends and tensions flexible sheets (57) to be stitched in a generally vertical orientation between the components for stitching interior seams through the flexible sheets. Horizontal and vertical slides (22) support the cooperating sewing machine components along a horizontal and a vertical axis parallel to the sheets. Controlled drives shift the components in unison along these axes for forming sewn patterns on the sheets. A conveyor (68) is provided with a substantially vertical run, of a height in excess of that of the sheets, to pass the sheets to be stitched between the sewing components and hold the sheets in the vertical orientation.  
[origin: CA2331506A1] A stitching machine (10) and method orients cooperating needle (54) and hook (56) components in spaced horizontal alignment, suspends and tensions flexible sheets (57) to be stitched in a generally vertical orientation between the components for stitching interior seams through the flexible sheets. Horizontal and vertical slides (22) support the cooperating sewing machine components along a horizontal and a vertical axis parallel to the sheets. Controlled drives shift the components in unison along these axes for forming sewn patterns on the sheets. A conveyor (68) is provided with a substantially vertical run, of a height in excess of that of the sheets, to pass the sheets to be stitched between the sewing components and hold the sheets in the vertical orientation.

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IPC 8 full level  
**D05B 33/00** (2006.01); **D05B 11/00** (2006.01); **D05B 39/00** (2006.01); **D05B 73/00** (2006.01)

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