

Title (en)  
GATHERING AND STITCHING MACHINE

Title (de)  
SAMMELHEFTER

Title (fr)  
BROCHEUSE COLLECTRICE

Publication  
**EP 1957287 B1 20110727 (DE)**

Application  
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Abstract (en)  
[origin: US8246031B2] A new gathering and stitching machine (10) and a new method for operating a gathering and stitching machine (1) are proposed, which make it possible to drive in the staples (K) in a positionally correct manner and to close them satisfactorily even in the case of relatively short staple setting times. This is achieved by the novel control of the position of the staple heads (20) and the saddle-shaped supports (2, 30, 40, 50) in the region of the interaction during stapling. It is an essential feature of the present invention that the staple head (20) and the support (2, 30, 40, 50) are pivoted towards one another in such a way that they come to lie within a common stapling plane (H). This means that the saddle plane which is defined by the pivoting axis (S) of the saddle-shaped support (2, 30, 40, 50) and the support edge (13) and the staple-head plane which is defined by the pivoting axis of the staple head (20) and the ram tip are superimposed on one another in the region of the interaction and for the duration of the interaction and define what is known as the stapling plane (H). Here, the stapling plane (H) is pivoted continuously, with the result that it stands orthogonally on the main conveying plane (X) only in a central position.

IPC 8 full level  
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