

Title (en)  
UPPER THREAD GUIDE MECHANISM FOR SEWING MACHINES

Publication  
**EP 0204426 B1 19900207 (EN)**

Application  
**EP 86303340 A 19860501**

Priority  
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• JP 13835485 A 19850624

Abstract (en)  
[origin: EP0204426A1] A slit (7) is formed which lies in a vertical plane and extends from an upper surface of a sewing machine frame (1) to a front surface. A tension device (5), a thread take-up spring (30), and upper and lower thread guides (23, 24) are disposed along the direction in which the slit (7) extends. A thread take-up lever (12) is installed so that it is reciprocated horizontally across the space between the pair of thread guides (23, 25). The placement of the thread in the tension device (5), thread take-up spring (30), and two thread guides (23,24) can be attained by simply pulling the upper thread vertically downward through the slit (7). When the thread take-up lever is reciprocated, during its forward stroke it arrests the portion of the thread positioned between the two thread guides (23, 24) and draws it in V form. During its return stroke, the thread take-up lever (12) releases the thread to allow the latter to loosen in loop form.

IPC 1-7  
**D05B 49/02**; **D05B 51/00**

IPC 8 full level  
**D05B 47/00** (2006.01); **D05B 49/02** (2006.01); **D05B 51/00** (2006.01); **D05B 53/00** (2006.01)

CPC (source: EP KR)  
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