

Title (en)  
Sewing machine with a lubricating device

Title (de)  
Nähmaschine mit einer Schmiervorrichtung

Title (fr)  
Machine à coudre avec dispositif de lubrification

Publication  
**EP 1586689 A3 20060913 (DE)**

Application  
**EP 05007047 A 20050331**

Priority  
• DE 102004018065 A 20040408  
• DE 102004057333 A 20041127

Abstract (en)  
[origin: EP1586689A2] A sewing machine has a lubricant reservoir (18) located in sight of the operator. The base plate (10) incorporates a further lubricant reservoir (20) for the thread grip (22). The upper and lower lubricant reservoirs are linked by a wick inside a tube (32). The bottom reservoir is fed under capillary action. The lower reservoir has a float (34) which closes the inlet to the lower reservoir on reaching a given height. The upper reservoir has a fluid level indicator that gives an optical or audio warning when the lubricant falls below a predetermined level. The upper reservoir is integrated within or is located on the outer face of the side pillar.

IPC 8 full level  
**D05B 71/00** (2006.01); **D05B 71/02** (2006.01); **F16N 7/12** (2006.01); **F16N 29/00** (2006.01); **F16N 29/04** (2006.01)

CPC (source: EP)  
**D05B 71/00** (2013.01)

Citation (search report)  
• [DA] DE 19643960 A1 19980507 - DUERKOPP ADLER AG [DE]  
• [A] US 3570629 A 19710316 - DAHM WOLFRAM, et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22 9 March 2001 (2001-03-09)

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CN105113153A

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DOCDB simple family (publication)  
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