

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)

Cited by

CN105113153A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1586689 A2 20051019; **EP 1586689 A3 20060913**; **EP 1586689 B1 20071107**; AT E377666 T1 20071115; CN 1680647 A 20051012; CN 1680647 B 20110824; DE 102004057333 A1 20051027; DE 502005001856 D1 20071220; JP 2005296656 A 20051027; KR 20060046611 A 20060517; TW 200535295 A 20051101; TW I345009 B 20110711

DOCDB simple family (application)

EP 05007047 A 20050331; AT 05007047 T 20050331; CN 200510063503 A 20050408; DE 102004057333 A 20041127; DE 502005001856 T 20050331; JP 2005111006 A 20050407; KR 20050029196 A 20050408; TW 94110983 A 20050407