

Title (en)
COMPOUND NEEDLE

Title (de)
SCHIEBERNADEL

Title (fr)
AIGUILLE DE TYPE COMPOUND

Publication
EP 3425097 A3 20190213 (EN)

Application
EP 18181826 A 20180705

Priority
JP 2017134115 A 20170707

Abstract (en)
[origin: EP3425097A2] The present invention provides a compound needle that has sufficient strength and suppresses the accumulation of waste in a slider groove. The compound needle 1 includes a needle body 2 that has a hook 20 provided at the tip and a slider groove 21 provided in an upper end face, and a slider 3 that is slidably fitted into the slider groove 21 and opens and closes the hook 20. The compound needle 1 also includes a waste discharge window 4 that is formed in a side face of the needle body 2 and is in communication with a portion of the slider groove 21 located on a rear end side in the sliding direction of the slider 3. The waste discharge window 4 has a shape capable of accommodating the rear end of a portion of the slider 3 that slides on a bottom portion 21b of the slider groove 21, when the slider 3 is at the most withdrawn position in the sliding direction.

IPC 8 full level
D04B 35/06 (2006.01)

CPC (source: CN EP KR)
D04B 35/02 (2013.01 - CN); **D04B 35/04** (2013.01 - KR); **D04B 35/06** (2013.01 - EP KR); **D04B 35/32** (2013.01 - CN)

Citation (search report)

- [AD] EP 2458052 A2 20120530 - SHIMA SEIKI MFG [JP]
- [A] EP 1424417 A1 20040602 - SHIMA SEIKI MFG [JP]
- [A] EP 2599906 A1 20130605 - SHIMA SEIKI MFG [JP]

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (publication)
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EP 18181826 A 20180705; CN 201810735634 A 20180706; JP 2017134115 A 20170707; KR 20180078092 A 20180705