

Title (en)
COMPOUND NEEDLE

Title (de)
SCHIEBERNADEL

Title (fr)
AIGUILLE DE TYPE COMPOUND

Publication
EP 3425097 B1 20200415 (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a portion of the slider 3 that slides on a bottom portion 21b of the slider groove 21, when the slider 3 is at the most withdrawn position in the sliding direction.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)

Designated contracting state (EPC)
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

DOCDB simple family (publication)
EP 3425097 A2 20190109; EP 3425097 A3 20190213; EP 3425097 B1 20200415; CN 109208168 A 20190115; CN 109208168 B 20200825; JP 2019015001 A 20190131; JP 6692325 B2 20200513; KR 102069232 B1 20200122; KR 20190005769 A 20190116

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