

Title (en)  
COMPLEX NEEDLE, WEFT KNITTING MACHINE

Title (de)  
KOMPLEXE NADEL UND KULIERWIRKMASCHINE

Title (fr)  
AIGUILLE COMPLEXE, MÉTIER À MAILLES CUEILLIES

Publication  
**EP 2551393 B1 20150923 (EN)**

Application  
**EP 10848431 A 20100326**

Priority  
JP 2010055452 W 20100326

Abstract (en)  
[origin: EP2551393A1] To provide a compound needle in which the entire length is shortened. A compound needle 100 includes a needle main body 1, a slider 2, and a needle jack 3. The needle main body 1 includes a needle jack engagement portion 12 that is formed locally thin, and an arm-slidably-contacting surface 13 having a width in parallel to the needle jack engagement portion 12 in a thickness direction of the needle main body 1. The slider 2 includes a slider plate 21 arranged in a slider base body 20, and a thin slider arm 23 that slidably contacts the arm-slidably-contacting surface 13 of the needle main body 1. The needle jack 3 includes a distal end engagement portion 32, which is formed in a distal end region 3R formed to a thickness smaller than or equal to a thickness of the needle jack engagement portion 12 and engages the needle jack engagement portion 12.

IPC 8 full level  
**D04B 35/06** (2006.01)

CPC (source: EP KR)  
**D04B 7/00** (2013.01 - KR); **D04B 35/06** (2013.01 - EP KR)

Cited by  
EP3670725A1; WO2020127930A1

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
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