

Title (en)  
WARP KNITTING MACHINE COMPOUND NEEDLE

Title (de)  
KETTENWIRKMASCHINEN-SCHIEBERNADEL

Title (fr)  
AIGUILLE COULISSANTE D'UN MÉTIER À MAILLES JETÉES

Publication  
**EP 3643823 B1 20210630 (DE)**

Application  
**EP 18202715 A 20181025**

Priority  
EP 18202715 A 20181025

Abstract (en)  
[origin: TW202016384A] A compound needle (1) for a warp knitting machine is specified with a needle head (2), which has a hook (3), with a transition region (4) which adjoins the hook (3) and the cross section of which increases in a direction away from the needle head (2), and with a stem (5). It is possible to be able to reliably operate a warp knitting machine even with threads which are difficult to process. For this purpose, it is provided that the transition region (4) has an edge profiling (14, 15) which changes continuously between the hook (3) and the stem (5).

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

CPC (source: CN EP KR)  
**D04B 27/06** (2013.01 - KR); **D04B 35/04** (2013.01 - KR); **D04B 35/06** (2013.01 - EP); **D04B 35/08** (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 3643823 A1 20200429; EP 3643823 B1 20210630**; CN 111101288 A 20200505; CN 111101288 B 20220524; ES 2890929 T3 20220125; KR 102285359 B1 20210803; KR 20200047327 A 20200507; TW 202016384 A 20200501; TW I766180 B 20220601

DOCDB simple family (application)  
**EP 18202715 A 20181025**; CN 201910141986 A 20190226; ES 18202715 T 20181025; KR 20190125780 A 20191011; TW 108128759 A 20190813