

Title (en)
Knitting system with flattened guide channels

Title (de)
Stricksystem mit abgeflachten Führungskanälen

Title (fr)
Système de tricot doté de canaux de guidage aplatis

Publication
EP 2540889 A3 20130529 (DE)

Application
EP 12175984 A 20100706

Priority
• EP 12175984 A 20100706
• EP 10168553 A 20100706

Abstract (en)
[origin: EP2405043A1] The device (10) i.e. circular knitting device (11), has a guide channel (14) with channel cross-section whose channel width is measured from a flat side of a channel wall to a flat side of another channel wall. Channel depth of the cross-section is measured parallel to the walls away from a floor and measured to be three quarters and 5 times the size of the width. A knitting tool (16) i.e. latch-type needle, includes a shank that is arranged in the channel to be shifted along longitudinal direction and provided with a base extending from the channel.

IPC 8 full level
D04B 15/14 (2006.01); **D04B 15/10** (2006.01); **D04B 35/02** (2006.01); **D04B 35/04** (2006.01)

CPC (source: EP KR US)
D04B 15/00 (2013.01 - KR); **D04B 15/10** (2013.01 - KR); **D04B 15/14** (2013.01 - EP US); **D04B 35/02** (2013.01 - EP US);
D04B 35/04 (2013.01 - EP US)

Citation (search report)
• [XYI] EP 1801276 A1 20070627 - GROZ BECKERT KG [DE]
• [Y] EP 2172584 A1 20100407 - GROZ BECKERT KG [DE]
• [Y] GB 962128 A 19640624 - SCHUBERT & SALZER MASCHINEN
• [Y] US 3667113 A 19720606 - PHILIP MORRIS
• [Y] GB 2173518 A 19861015 - FUKUHARA NEEDLE CO LTD

Cited by
CN113574218A; WO2020156875A1; EP3575465B1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
EP 2405043 A1 20120111; CN 102312343 A 20120111; CN 102312343 B 20141029; EP 2540889 A2 20130102; EP 2540889 A3 20130529; EP 2540889 B1 20160817; JP 2012036553 A 20120223; JP 5848860 B2 20160127; KR 101288322 B1 20130723; KR 20120004329 A 20120112; PT 2540889 T 20160919; TW 201215722 A 20120416; TW I449824 B 20140821; US 2012006064 A1 20120112; US 8438877 B2 20130514

DOCDB simple family (application)
EP 10168553 A 20100706; CN 201110186293 A 20110705; EP 12175984 A 20100706; JP 2011150388 A 20110706; KR 20110065292 A 20110701; PT 12175984 T 20100706; TW 100123588 A 20110705; US 201113170831 A 20110628