

Title (en)

KNITTING MACHINE NEEDLE AND KNITTING SYSTEM

Title (de)

STRICKMASCHINENNADEL UND STRICKSYSTEM

Title (fr)

AIGUILLE DU MÉTIER À TRICOTER ET SYSTÈME DE TRICOTAGE

Publication

EP 3690095 B1 20220518 (DE)

Application

EP 19154755 A 20190131

Priority

EP 19154755 A 20190131

Abstract (en)

[origin: WO2020156875A1] The invention relates to a knitting machine needle (1), which comprises at least the following features: a hook (2) for forming stitches, which hook delimits the shaft (3) in the longitudinal direction (z) of the shaft (3) and which hook tapers into a hook tip (4), and a first drive portion (33) following the hook (2) in the longitudinal direction (z) of the shaft (3). The knitting machine needle (1) is characterized by a predetermined breakage portion (9) for separating the hook (2) from the first drive portion (33). The predetermined breakage portion (9) is formed by a portion of the shaft (3), which portion extends in the longitudinal direction (z). The predetermined breakage portion (9) is located wholly in a first shaft portion (10), which extends in the longitudinal direction (z) of the shaft (3) between the tip (4) of the hook (2) and the first drive portion (33). The invention further relates to a knitting system (15), which has at least one knitting machine needle (1) having a predetermined breakage portion (9).

IPC 8 full level

D04B 35/02 (2006.01); **D04B 35/04** (2006.01); **D04B 35/06** (2006.01)

CPC (source: EP KR)

D04B 35/04 (2013.01 - EP KR); **D04B 35/06** (2013.01 - EP KR)

Citation (examination)

DE 3311361 A1 19841004 - SIPRA PATENT BETEILIGUNG [DE]

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 3690095 A1 20200805; EP 3690095 B1 20220518; AR 117875 A1 20210901; BR 112021005119 A2 20210615;
BR 112021005119 B1 20230502; CN 113574218 A 20211029; CN 113574218 B 20230704; JP 2022519143 A 20220322;
KR 20210122223 A 20211008; PT 3690095 T 20220627; TW 202045789 A 20201216; WO 2020156875 A1 20200806

DOCDB simple family (application)

EP 19154755 A 20190131; AR P200100179 A 20200124; BR 112021005119 A 20200121; CN 202080011906 A 20200121;
EP 2020051356 W 20200121; JP 2021523400 A 20200121; KR 20217014301 A 20200121; PT 19154755 T 20190131;
TW 108142710 A 20191125