

Title (en)

Float needle for a gallon crocheting machine

Title (de)

Flottiernadel für eine Häkelgalonmaschine

Title (fr)

Aiguille de flottaison pour un métier à crochets pour galons

Publication

EP 2336412 B1 20120321 (DE)

Application

EP 09015525 A 20091216

Priority

EP 09015525 A 20091216

Abstract (en)

[origin: EP2336412A1] The crochet galloon machine needle (26) such as floating stitch needle has shank with hook and hook head that transitions into a resilient leg closing a hook inside space. The hook head has hook inside facing toward the hook inside space and hook outside facing away from the shank. The guide projection (40) is formed on the hook outside, while the hook inside is curved in the form of a circular arc around a center. The guide projection is located above a hook center.

IPC 8 full level

D04B 35/08 (2006.01)

CPC (source: EP US)

D04B 35/08 (2013.01 - EP US)

Cited by

KR101246125B1

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)

EP 2336412 A1 20110622; EP 2336412 B1 20120321; AT E550468 T1 20120415; CN 102102273 A 20110622; CN 102102273 B 20130501; JP 2011127268 A 20110630; JP 5856735 B2 20160210; KR 101246125 B1 20130325; KR 20110068926 A 20110622; TW 201144505 A 20111216; TW I468567 B 20150111; US 2011138862 A1 20110616; US 8161774 B2 20120424

DOCDB simple family (application)

EP 09015525 A 20091216; AT 09015525 T 20091216; CN 201010625092 A 20101215; JP 2010277961 A 20101214; KR 20100128184 A 20101215; TW 99143861 A 20101215; US 96520410 A 20101210