

Title (en)
NOZZLE AND METHOD FOR PRODUCING A SLUBBED YARN

Title (de)
DÜSE UND VERFAHREN ZUR HERSTELLUNG VON KNOTENGARN

Title (fr)
BUSE ET PROCÉDÉ DE FABRICATION DE FIL FLAMMÉ

Publication
EP 2886690 B1 20190724 (DE)

Application
EP 13198527 A 20131219

Priority
EP 13198527 A 20131219

Abstract (en)
[origin: WO2015090694A1] Nozzle (1) for manufacturing knotted yarn (11), having a yarn duct (2) in which knots are producible with the aid of air entanglement. The nozzle includes at least one air bore (3) having a longitudinal axis (A), which merges with the yarn duct (2) in a merging opening (4). Air is introducible into the yarn duct (2) through the air bore. The longitudinal axis (A) of the air bore (3) is disposed at an angle of less than 90°, preferably 65-85°, particularly preferably 78° in relation to a conveying direction (B) of the knotted yarn (11). A baffle face (5) is configured on the opposite side of the merging opening (4) of the air bore (3) in the yarn duct (2), so as to be substantially perpendicular in relation to the longitudinal axis (A) of the air bore (3).

IPC 8 full level
D02G 1/16 (2006.01); **D02G 3/34** (2006.01); **D02J 1/08** (2006.01)

CPC (source: EP KR US)
D02G 1/161 (2013.01 - EP KR US); **D02G 1/162** (2013.01 - EP KR US); **D02G 3/34** (2013.01 - EP KR US); **D02J 1/08** (2013.01 - EP KR US)

Citation (examination)
EP 1060302 B1 20020605 - HEBERLEIN FIBERTECHNOLOGY INC [CH]

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 2886690 A1 20150624; **EP 2886690 B1 20190724**; CN 105829592 A 20160803; CN 105829592 B 20200804; CN 111748885 A 20201009; CN 111748885 B 20221216; EP 3084054 A1 20161026; EP 3084054 B1 20210915; ES 2750149 T3 20200325; ES 2900725 T3 20220318; HR P20211735 T1 20220218; JP 2017500455 A 20170105; JP 2020073742 A 20200514; JP 6697387 B2 20200520; JP 6986540 B2 20211222; KR 102178774 B1 20201116; KR 20160118230 A 20161011; TW 201533283 A 20150901; TW I718091 B 20210211; US 10597800 B2 20200324; US 11578434 B2 20230214; US 2016305047 A1 20161020; US 2020248340 A1 20200806; WO 2015090694 A1 20150625

DOCDB simple family (application)
EP 13198527 A 20131219; CN 201480069407 A 20141028; CN 202010643166 A 20141028; EP 14792447 A 20141028; EP 2014073046 W 20141028; ES 13198527 T 20131219; ES 14792447 T 20141028; HR P20211735 T 20141028; JP 2016541283 A 20141028; JP 2019232705 A 20191224; KR 20167019065 A 20141028; TW 103138776 A 20141107; US 201415100679 A 20141028; US 202016783509 A 20200206