

Title (en)
SPUN YARN TAKE-UP APPARATUS

Title (de)
AUFNAHMEVORRICHTUNG FÜR GESPONNENES GARN

Title (fr)
APPAREIL DE RATRAPAGE DE FIL FIN

Publication
EP 3162923 A1 20170503 (EN)

Application
EP 16194793 A 20161020

Priority
JP 2015214685 A 20151030

Abstract (en)
The success rate of handover of yarns which are taken down by a yarn take-down device is improved. A spun yarn take-up apparatus includes a take-up unit 6 provided on the first floor, a yarn sucking device 47 provided on the second floor to suck and retain yarns Y spun out from a spinning apparatus 2, and a yarn take-down device 4 configured to take the yarns retained by the yarn sucking device 47 down from the second floor to the first floor. The yarn take-down device 4 includes two yarn threading portions 42 which are separated from each other in a direction intersecting with an up-down direction, and each yarn Y is threaded onto these yarn threading portions in order.

IPC 8 full level
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CPC (source: CN EP)
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Citation (applicant)
• JP S5488315 A 19790713 - RHONE POULENC TEXTILE
• JP 2013057148 A 20130328 - TMT MACHINERY INC

Citation (search report)
• [I] DE 10117087 A1 20011011 - BARMAG BARMER MASCHF [DE]
• [A] EP 2407408 A2 20120118 - TMT MACHINERY INC [JP]
• [A] US 3807270 A 19740430 - WIRZ A

Cited by
EP3878784A1; WO2019011983A1; WO2019211181A1

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

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BA ME

DOCDB simple family (publication)
EP 3162923 A1 20170503; **EP 3162923 B1 20190227**; CN 106829621 A 20170613; CN 106829621 B 20191231; JP 2017082376 A 20170518; JP 6681307 B2 20200415; TW 201714810 A 20170501; TW I657991 B 20190501

DOCDB simple family (application)
EP 16194793 A 20161020; CN 201610889140 A 20161012; JP 2016197801 A 20161006; TW 105134102 A 20161021