Title (en)
Method of controlling a knitted fabric guide and lapping take-up device using the same

Title (de)
Verfahren zur Steuerung einer Gestrickführung und dieses umsetzende Faltvorrichtung

Title (fr)
Procédé pour contrôler un guide de tissu tricoté et dispositif l'enroulement de reprise l'utilisant

Publication
EP 2426242 A1 20120307 (EN)

Application
EP 11177788 A 20110817

Priority
JP 2010189246 A 20100826

Abstract (en)
A lapping take-up device using the method of controlling a knitted fabric guide, in which no wrinkles or creases are caused in a knitted fabric when the knitted fabric is folded within a receiving unit, is provided. The device includes a receiving unit (5), and a knitted fabric guide (6) positioned above the receiving unit (5), which guides and drops a knitted fabric (F) produced by a kitting unit of the knitting machine while reciprocating in a horizontal direction so as to fold the knitted fabric within the receiving unit (5). The moving speed of the knitted fabric guide is adjusted according to a knitted fabric feeding length between a knitted fabric feeding point (P) in a position upward of the knitted fabric guide (6) and the knitted fabric guide (6). The knitted fabric feeding length varies due to the reciprocation of the knitted fabric guide (6).

IPC 8 full level
D04B 15/88 (2006.01); **B65H 45/103** (2006.01)

CPC (source: EP KR)
B65H 45/103 (2013.01 - EP); **D04B 15/00** (2013.01 - KR); **D04B 15/88** (2013.01 - EP KR); B65H 2701/174 (2013.01 - EP)

Citation (applicant)
JP 2001279563 A 20011010 - NISSHIN SPINNING

Citation (search report)
- [Y] EP 1842949 A1 20071010 - PAI LUNG MACHINERY MILL CO LTD [TW]
- [Y] GB 2014960 A 19790905 - CATALLO F
- [Y] US 4573958 A 19860304 - BIESINGER PETER J [DE]
- [Y] US 4708331 A 19871124 - ETCHEPARRE JEAN [FR], et al

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2426242 A1 20120307; **EP 2426242 B1 20160420**; CN 102605541 A 20120725; CN 102605541 B 20150506; JP 2012046839 A 20120308; KR 20120041106 A 20120430; TW 201229345 A 20120716; TW I589746 B 20170701

DOCDB simple family (application)
EP 11177788 A 20110817; CN 201110253573 A 20110824; JP 2010189246 A 20100826; KR 20110081621 A 20110817; TW 100130301 A 20110824