

Title (en)

Method and device for monitoring the production by a knitting machine

Title (de)

Verfahren und Vorrichtung zur Überwachung der Produktion einer Strickmaschine

Title (fr)

Procédé et dispositif de surveillance de la production d'une machine à tricoter

Publication

**EP 2857567 B1 20170308 (DE)**

Application

**EP 14183885 A 20140908**

Priority

DE 102013110988 A 20131002

Abstract (en)

[origin: CN104514078A] The invention relates to a method and device for monitoring the production of a knitting machine, and the knitting machine; the method for monitoring the production of a knitting machine is provided; wire supply of at least one wire supply device is monitored by a sensor device (19) and a control unit (20); a sensor signal (S) with a measuring pulse (I) for each length unit (delta XF) of a wire supply path is generated by the sensor device (19) in such condition. The sensor signal (S) is evaluated by the control unit (20); in a suitable condition, the control unit (20) is used for generating a stop signal (ST) for the knitting machine; a clock signal (S2) aiming at the control unit (20) is provided by a clock unit; a clock pulse (T) of the clock signal (S2) is matched with the length unit (delta XS) of a knitting path; the length unit (delta XS) of the knitting path is one/Zth of the length unit (delta XF) of the wire supply path (wherein the factor Z is at least 2, preferably 3-10); the sensor signal (S) is evaluated by the control unit (20), and depends on the generation of the clock signal (S2).

IPC 8 full level

**D04B 35/12** (2006.01); **D04B 15/48** (2006.01); **D04B 35/14** (2006.01)

CPC (source: CN EP)

**D04B 15/48** (2013.01 - CN EP); **D04B 15/484** (2013.01 - EP); **D04B 35/12** (2013.01 - CN EP); **D04B 35/14** (2013.01 - CN EP)

Citation (examination)

- DE 1673417 A1 19710722 - NAT RES DEV
- DE 3344667 A1 19840620 - SHIMA IDEA CENTER CO LTD [JP]

Cited by

EP3699343A1; EP3269857A1

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 2857567 A1 20150408**; **EP 2857567 B1 20170308**; CN 104514078 A 20150415; CN 104514078 B 20170412; DE 102013110988 A1 20150402; DE 102013110988 B4 20190829; TR 201707952 T4 20180321; TW 201527615 A 20150716; TW I564447 B 20170101

DOCDB simple family (application)

**EP 14183885 A 20140908**; CN 201410523724 A 20141008; DE 102013110988 A 20131002; TR 201707952 T 20140908; TW 103133845 A 20140930