



(11)

EP 3 205 758 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.09.2017 Bulletin 2017/37

(51) Int Cl.:
D03D 51/00 (2006.01) D03D 51/08 (2006.01)

(43) Date of publication A2:
16.08.2017 Bulletin 2017/33

(21) Application number: **17155161.7**

(22) Date of filing: **08.02.2017**

(84) Designated Contracting States:
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 States:
BA ME
Designated Validation States:
MA MD

(30) Priority: **12.02.2016 JP 2016024858**

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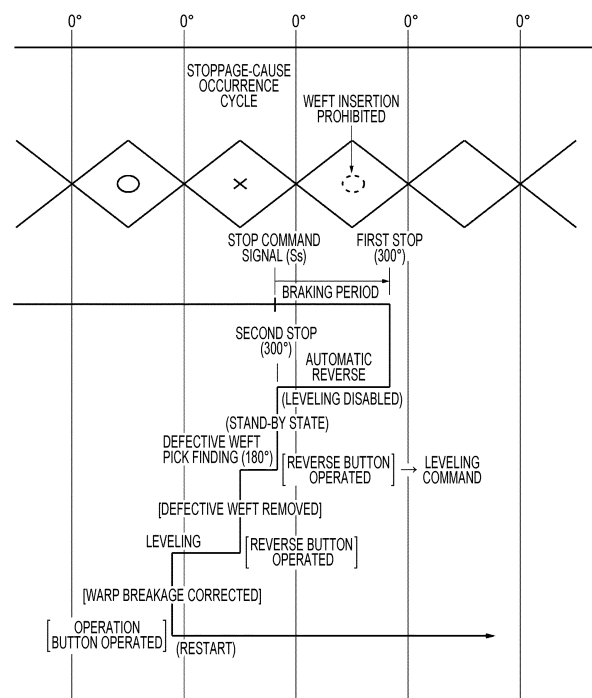
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(54) **METHOD FOR PREPARING RESTART OF LOOM**

(57) A main shaft is reversed from an initial stop time point, after a loom is stopped due to a cause of stoppage that is an occurrence of a weft insertion defect or due to causes of stoppage that are an occurrence of a warp breakage and an occurrence of a weft insertion defect accompanied with the warp breakage, while the leveling function of a warp shedding device is disabled to bring the loom into a stand-by state in a weaving cycle in which the cause or causes of stoppage have occurred. The main shaft is reversed in response to an operator operating a reverse button while the loom is in the stand-by state to bring the loom into a pick-found state, in which the defective weft pick is pickfound, and the operator is allowed to remove the defective weft pick in the pick-found state. The main shaft is reversed in response to the operator operating a button after a removal of the defective weft pick while the leveling function of the warp shedding device is enabled to bring the warps into a leveled state.

FIG. 4



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 798 321 A2 (TSUDAKOMA IND CO LTD [JP]) 20 June 2007 (2007-06-20) * paragraphs [0002] - [0004], [0007], [0009], [0044]; figures 1-12 *	1,2	INV. D03D51/00 D03D51/08
X,D	JP H06 116841 A (TSUDAKOMA IND CO LTD) 26 April 1994 (1994-04-26) * abstract; figures 5-7 *	1,2	
			TECHNICAL FIELDS SEARCHED (IPC)
			D03D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 3 August 2017	Examiner Louter, Petrus
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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03-08-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1798321 A2	20-06-2007	EP 1798321 A2	20-06-2007
		JP 4909652 B2	04-04-2012
		JP 2007186838 A	26-07-2007
JP H06116841 A	26-04-1994	JP 3165264 B2	14-05-2001
		JP H06116841 A	26-04-1994