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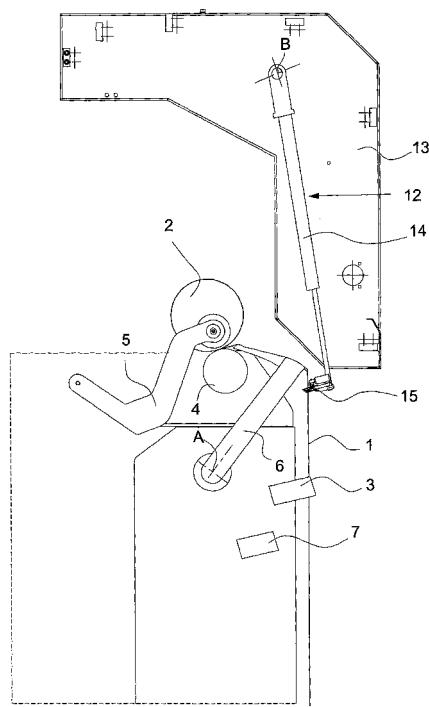
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(54) **Device and process for the handling and control of the yarn in a crosswinding head of a crosswinding machine in bobbin doffing operations**

(57) The invention relates to a device and a process for the handling and control of the yarn (1) in a crosswinding head of a crosswinding machine in bobbin (2) doffing operations, said crosswinding machine being equipped with a series of crosswinding heads and at least one service trolley (13), in which the yarn (1) run is moved to a definite position, near the end portion of its course from the pirn to the bobbin (2) and the yarn (1) is subsequently drawn from a handling device (12) of the service trolley (13), cut and, after removal of the bobbin (2), its end coming from the pirn, is arranged on a new winding tube.

Fig. 4





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	DE 38 19 873 A1 (MURATA MACHINERY LTD [JP]) 29 December 1988 (1988-12-29) * column 5, line 21 - line 27 * * column 5, line 34 - column 6, line 16 * * column 6, line 41 - line 57 * * column 7, line 62 - line 65; figures * -----	1-3,6, 10-13 5	INV. B65H67/08 B65H67/04 B65H65/00
Y	EP 0 432 837 A2 (SAVIO SPA [IT] SAVIO MACCHINE TESSILI SRL [IT]) 19 June 1991 (1991-06-19) * column 4, line 53 - line 57; figures * -----	5	
X	DE 195 33 833 A1 (SCHLAFHORST & CO W [DE] SAURER GMBH & CO KG [DE]) 20 March 1997 (1997-03-20) * column 2, line 66 - column 3, line 65; figures 5-9 * -----	1-3,6, 10-13	
D,X	EP 1 428 783 A (SAURER GMBH & CO KG [DE]) 16 June 2004 (2004-06-16) * paragraph [0033]; figures * -----	1-3,5, 7-9,12 13,14	TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
6	Place of search The Hague	Date of completion of the search 26 September 2007	Examiner Lemmen, René
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			

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-15

The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-15

Process for the handling and control of yarn in a crosswinding head of a crosswinding machine and crosswinding machine with means for moving the yarn run in a defined position near the terminal portion of its course from the pirn to the bobbin

2. claims: 16,17

Suction mouth of a crosswinding machine with at least one draft on its back

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

EP 06 11 1795

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-09-2007

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