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(54) **Support for sewing thread**

(57) The invention refers to a support for sewing thread, destined for winding of sewing threads on the winding machines, for depositing and transporting of thread, as well as for utilization on the special sewing machines from the field of the textile industry.

The solved technical problem consists in the realization of a support which warrants a more secure automatic feeding in the winding machine by preventing the undesirable pressing of the superposed support in the other support.

The support for sewing thread contains three or four stopping teeth (a), theoretical identics, placed between them at an angle of 120° or 90° in the superior zone of the interior wall of support (1), each stopping tooth (a) being a prominence from the interior wall which from the direction of frontal longitudinal view of the stopping tooth (a) has the form of a longish rectangle (a') with long parallel sides with the longitudinal axis of support (1), and in the longitudinal section has the form of a right-angled triangle (a'').

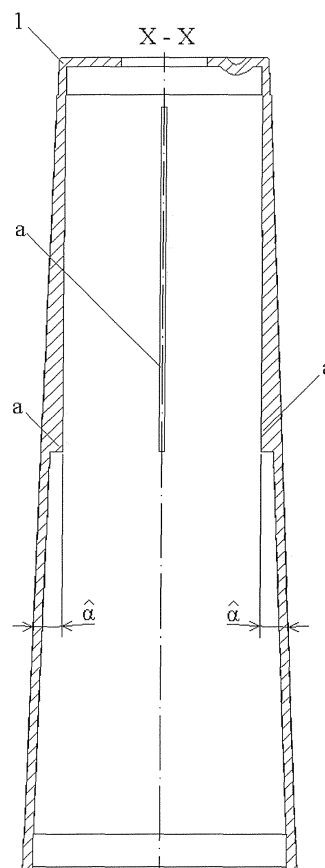


fig. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 06 11 2284

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	DE 24 25 420 A1 (W. SCHLAFHORST & CO) 4 December 1975 (1975-12-04) * page 4, last paragraph; figures 2,3 *	1	INV. B65H75/10 B65H75/12
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) & JP 09 301641 A (KOA SHIKO KK), 25 November 1997 (1997-11-25) * abstract *	1	
A	US 5 403 633 A (JENISCH ET AL) 4 April 1995 (1995-04-04) * figures *	1	
A	EP 0 723 926 A (TALLERES TILTEX, S.A; TEXPACK ENGINEERING, S.A) 31 July 1996 (1996-07-31) * figures *	1	
A	US 3 675 871 A (HERBERT FRANK HEYDEN) 11 July 1972 (1972-07-11) * figure 2 *	1	TECHNICAL FIELDS SEARCHED (IPC) B65H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 July 2006	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			

3
EPO FORM 1503 03.82 (P04/C01)

**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:

1-3



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: 1-3

Cone shaped support for sewing thread with three or four triangle shaped teeth in the superior zone of the interior wall of the support to prevent undesirable pressing of stacked supports

2. claims: 4-6

Substantially cylindrical support for sewing thread with a base having the shape of a truncated cone with three rectangular shaped ribs in the inferior zone of the interior wall of the cylindrical support to prevent undesirable pressing of stacked supports

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

EP 06 11 2284

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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20-07-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2425420	A1	04-12-1975	NONE	
JP 09301641	A	25-11-1997	JP 2893385 B2	17-05-1999
US 5403633	A	04-04-1995	AT 129482 T	15-11-1995
			AU 2344392 A	23-02-1993
			CA 2091454 A1	17-01-1993
			DE 9108727 U1	10-10-1991
			WO 9302008 A1	04-02-1993
			EP 0548349 A1	30-06-1993
			ES 2079878 T3	16-01-1996
			GR 3018516 T3	31-03-1996
EP 0723926	A	31-07-1996	ES 2126423 A1	16-03-1999
US 3675871	A	11-07-1972	NONE	