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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/001572**A. CLASSIFICATION OF SUBJECT MATTER****B26D 7/26(2006.01)i, B26D 7/08(2006.01)i, B26D 1/36(2006.01)i, B02C 18/16(2006.01)i, B02C 13/00(2006.01)i, D01C 1/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B26D 7/26; B26D 7/08; B26D 1/36; B02C 18/16; B02C 13/00; D01C 1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: fiber, chopper, tension, adjust, slide, bar, stop and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6126092 A (COTE, MARC et al.) 03 October 2000 See column 4 line 64-column 5 line 8 and figure 6.	1-19
A	US 3992967 A (FRAM, MORRIS) 23 November 1976 See column 4 lines 47-64 and figures 1, 2.	1-19
A	US 3034213 A (MILLIGAN, GAYMOND E.) 15 May 1962 See column 2 lines 50-54 and figure 1.	1-19



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

23 APRIL 2012 (23.04.2012)

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/001572Patent document
cited in search reportPublication
datePatent family
member(s)Publication
date

US 6126092 A

03.10.2000

None

US 3992967 A

23.11.1976

None

US 3034213 A

15.05.1962

None