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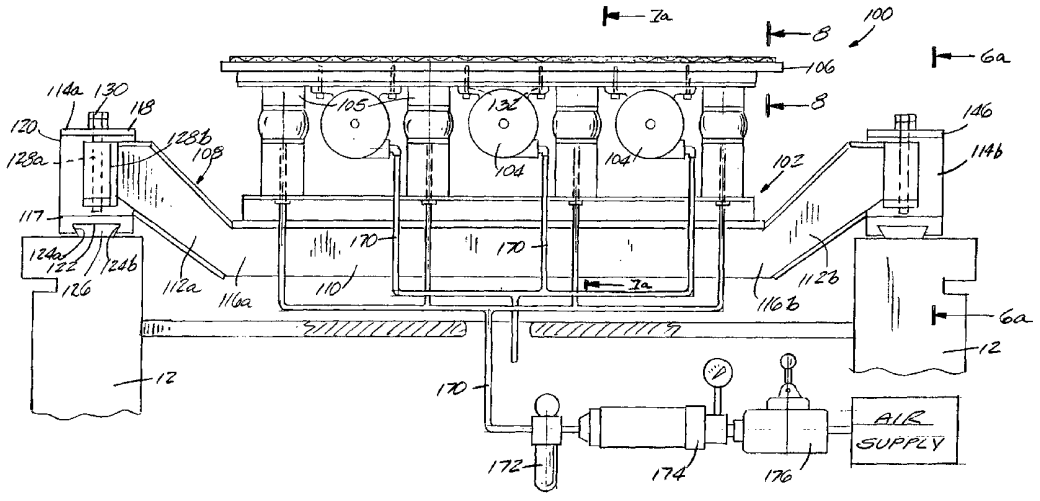
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(54) Title: METHOD AND APPARATUS FOR USE OF VIBRATIONAL FORCE IN PAPERMAKING



(57) Abstract: Vibrational force is transfered to the wire of a papermaking machine in order to re-align the fibers of the web forming on the wire or to clean press section felts. In one preferred embodiment the apparatus is a vibrational device incleding a vibrational device frame (102) and at least one vibration-inducing mechanism (104) coupled to vibration device frame for vibrating the wire.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/50056

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : D21F 1/18, 1/32, 3/02
US CL : 162/199,205,209,272,355

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)
U.S. : 162/199,205,209,272,355,192,275,277,308,356,358.1

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,391,672 A (LEHTINEN) 05 July 1983 (05.7.1983), see entire document.	1-114
Y	US 4,648,943 A (MALASHENKO et al) 10 March 1987 (10.03.1987), see entire document.	1-116
Y	US 2,727,442 A (HAYES) 20 December 1955 (20.12.1955), see entire document.	
Y	US 3,598,694 A (WIEBE) 10 August 1971 (10.08.1971), see entire document.	1-116
Y	US 3,810,817 A (ARLEDTER) 14 May 1974 (14.05.1974), see entire document.	1-116
Y	US 2,076,991 A (HOLGERSSON et al) 13 April 1937 (13.04.1937), see entire document.	1-116
Y	US 5,080,760 A (SMITH et al) 14 January 1992 (14.01.1992), see entire document.	1-116

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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"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	Date of mailing of the international search report
11 July 2002 (11.07.2002)	15 AUG 2002
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INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of Item 4 of the first sheet:
The title lacks precision. The new title: METHOD AND APPARATUS FOR USE OF VIBRATIONAL FORCE IN PAPERMAKING