



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
26.11.2003 Bulletin 2003/48

(51) Int Cl.7: **D02J 1/08, D02G 1/16**

(43) Date of publication A2:
26.07.2000 Bulletin 2000/30

(21) Application number: **99104643.4**

(22) Date of filing: **09.03.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• **Okada, Teiji, C/O Aiki Seisakusyo Ltd.
Inasawa-shi, Aichi-ken (JP)**
• **Mizomata, Akio, C/O Aiki Seisakusyo Ltd.
Inasawa-shi, Aichi-ken (JP)**

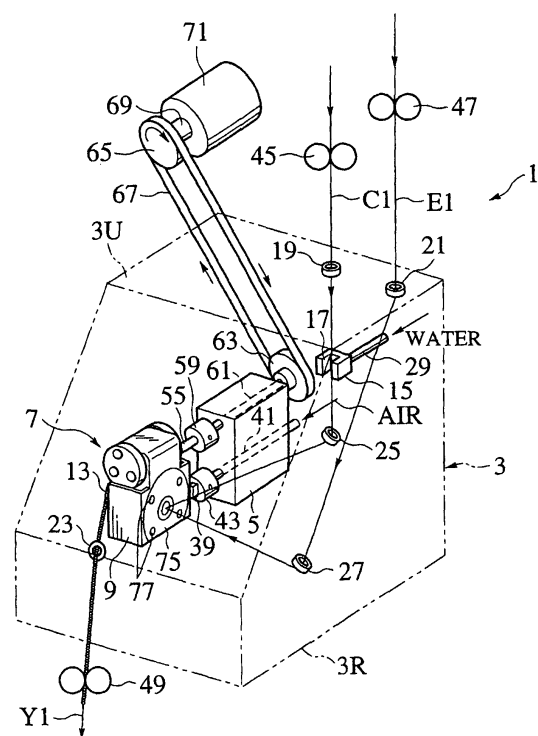
(30) Priority: **20.01.1999 JP 4872999**

(74) Representative: **Schmitz, Hans-Werner, Dipl.-Ing.
Hoefer & Partner
Patentanwälte
Gabriel-Max-Strasse 29
81545 München (DE)**

(54) **Fluid processing method of yarn and compression fluid processing nozzle used therefor**

(57) A nozzle core is to process a supplied yarn by an introduced compression fluid and is provided rotatably. Preferably, there is provided drive means for rotating the nozzle core. Preferably, a housing is provided to the nozzle core and is rotated integrally with the nozzle core.

FIG.1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 10 4643

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 845 932 A (SAKAI SHOJI ET AL) 11 July 1989 (1989-07-11) * the whole document *	1-5,9,10	D02J1/08 D02G1/16
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 08, 30 August 1996 (1996-08-30) & JP 08 100338 A (MURATA MACH LTD;KURABO IND LTD), 16 April 1996 (1996-04-16) * abstract *	1,9	
X	US 4 535 516 A (EGBERS GERHARD ET AL) 20 August 1985 (1985-08-20) * the whole document *	1,2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			D02J D02G D01H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 3 October 2003	Examiner V Beurden-Hopkins, S
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.82 (P04C01)

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

EP 99 10 4643

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.

03-10-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4845932 A	11-07-1989	JP 1638127 C	31-01-1992
		JP 3006251 B	29-01-1991
		JP 63085123 A	15-04-1988
		CH 678635 A5	15-10-1991
		DE 3731854 A1	11-05-1988
JP 08100338 A	16-04-1996	JP 2842996 B2	06-01-1999
US 4535516 A	20-08-1985	DE 3166034 D1	18-10-1984
		WO 8200668 A1	04-03-1982
		EP 0046278 A1	24-02-1982
		JP 57501190 T	08-07-1982