



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 01 0603

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 5 211 967 A (AMANO MASAOKI ET AL) 18 May 1993 (1993-05-18) * column 6, line 14-62; figure 7 * * column 8, line 64 - column 9, line 36; figures 13-17 *	1,2	D03D25/00 D03D41/00 D03D13/00
X	US 5 465 760 A (MOHAMED MANSOUR H ET AL) 14 November 1995 (1995-11-14) * column 7, line 31-39; figure 2 * * column 7, line 57 - column 8, line 31 *	1,2	
A	WO 94 16131 A (SHORT BROTHERS PLC ;MOOD GEOFFREY INGLES (GB)) 21 July 1994 (1994-07-21) * page 29, paragraph 3 - page 32, paragraph 1; figures 1B,2B,5 *	1,2	
A	EP 1 061 164 A (MITSUBISHI HEAVY IND LTD ;MURATA MACHINERY LTD (JP)) 20 December 2000 (2000-12-20) * column 2, line 55 - column 4, line 10; figure 1 *	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	US 4 506 611 A (PARKER LEON ET AL) 26 March 1985 (1985-03-26) * claim 1; figures 5-7 *		D03D
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 11 February 2004	Examiner Dreyer, C
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			

EPO FORM 1503 03.82 (P04C01)

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

EP 03 01 0603

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.

11-02-2004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5211967	A	18-05-1993	JP	2882072 B2	12-04-1999
			JP	4289241 A	14-10-1992
			JP	4289243 A	14-10-1992

US 5465760	A	14-11-1995	AU	8088994 A	22-05-1995
			CA	2174771 A1	04-05-1995
			DE	69417760 D1	12-05-1999
			DE	69417760 T2	23-03-2000
			EP	0725849 A1	14-08-1996
			JP	9506676 T	30-06-1997
			WO	9512015 A1	04-05-1995

WO 9416131	A	21-07-1994	AU	669600 B2	13-06-1996
			AU	5713494 A	15-08-1994
			BR	9403463 A	01-06-1999
			CA	2130912 A1	21-07-1994
			DE	69409436 D1	14-05-1998
			DE	69409436 T2	26-11-1998
			EP	0630433 A1	28-12-1994
			WO	9416131 A1	21-07-1994
			GB	2278854 A ,B	14-12-1994
			JP	7504466 T	18-05-1995
			US	5540260 A	30-07-1996

EP 1061164	A	20-12-2000	JP	2000355849 A	26-12-2000
			EP	1061164 A2	20-12-2000
			US	2002056484 A1	16-05-2002
			US	6470916 B1	29-10-2002

US 4506611	A	26-03-1985	US	4331091 A	25-05-1982
