





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 03 02 5784

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)
A	EP 0 414 211 A (TSUDAKOMA IND CO LTD) 27 February 1991 (1991-02-27) * column 7, line 27 - column 9, line 14; claims 1-6; figures 1-4 *	1,2,7	D03D47/28 D03D51/02
A	US 4 732 179 A (TAKEGAWA YUJIRO) 22 March 1988 (1988-03-22)		
A	EP 0 522 846 A (TSUDAKOMA IND CO LTD) 13 January 1993 (1993-01-13)		
A	DE 42 26 693 A (NISSAN MOTOR) 18 February 1993 (1993-02-18)		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			D03D
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	1 July 2004	Van Gelder, P	
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			

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

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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.

01-07-2004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0414211	A	27-02-1991	JP	2896168 B2	31-05-1999
			JP	3082846 A	08-04-1991
			DE	69025009 D1	07-03-1996
			DE	69025009 T2	20-06-1996
			EP	0414211 A1	27-02-1991
			KR	9708888 B1	30-05-1997
			US	5101867 A	07-04-1992
US 4732179	A	22-03-1988	JP	62199846 A	03-09-1987
			JP	1986831 C	08-11-1995
			JP	7013339 B	15-02-1995
			JP	63075147 A	05-04-1988
			DE	3673153 D1	06-09-1990
			EP	0234064 A2	02-09-1987
			KR	8901039 B1	20-04-1989
EP 0522846	A	13-01-1993	JP	5009839 A	19-01-1993
			DE	69222896 D1	04-12-1997
			DE	69222896 T2	07-05-1998
			EP	0522846 A1	13-01-1993
			US	5320142 A	14-06-1994
DE 4226693	A	18-02-1993	JP	5051842 A	02-03-1993
			JP	5086541 A	06-04-1993
			JP	5086542 A	06-04-1993
			JP	5086543 A	06-04-1993
			BE	1006086 A4	10-05-1994
			DE	4226693 A1	18-02-1993
			KR	9410634 B1	24-10-1994
			CN	1069302 A	24-02-1993