



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 39 6016

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)
Y	DE 295 21 521 U1 (WOLFF, KARL-HEINZ, 30900 WEDEMARK, DE) 21 August 1997 (1997-08-21) * page 3, line 21 - page 4, line 24; figures 1-5 *	1-9	E05C7/02 E05C5/02
Y	US 5 280 973 A (CULLING ET AL) 25 January 1994 (1994-01-25) * column 2, line 15 - column 3, line 13; figures 1-3,11 *	1-9	
X	US 5 253 904 A (RUBY ET AL) 19 October 1993 (1993-10-19) * column 3, line 38 - column 5, line 22; figures 1-18 *	2,3	
A	US 6 336 245 B1 (SAKAKIBARA TOSHIO) 8 January 2002 (2002-01-08) * column 5, line 50 - line 62; figures 11,12 *	1-9	
A	AU 68869 81 A (BROOKFIELD, H.K) 8 October 1981 (1981-10-08) * the whole document *	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	DE 812 888 C (BIEBL MAX) 6 September 1951 (1951-09-06) * the whole document *	1,6	E05C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 February 2005	Examiner PEREZ MENDEZ, J
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	

2
EPO FORM 1503 03.02 (P04C01)

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

EP 04 39 6016

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.

21-02-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 29521521 U1	21-08-1997	DE 19507575 A1	12-09-1996
US 5280973 A	25-01-1994	NONE	
US 5253904 A	19-10-1993	NONE	
US 6336245 B1	08-01-2002	JP 3310236 B2	05-08-2002
		JP 2000154680 A	06-06-2000
		JP 2001279996 A	10-10-2001
		DE 10022880 A1	08-02-2001
AU 6886981 A	08-10-1981	NONE	
DE 812888 C	06-09-1951	NONE	