





European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 98 12 4374

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.6)
X	DE 91 02 138 U (CHRIST EUGEN) 16 May 1991 * claim 1; figure 1 *	1-5,10	A63C11/00 A63C11/02
X	US 4 398 403 A (MENICK DOUGLAS B) 16 August 1983 * abstract; figures 1,2 *	1-4,9, 18,19,26	
X	EP 0 602 310 A (ERNHOFER JOHANN) 22 June 1994 * abstract; figures 4,5 *	1-5,9,18	
X	US 3 905 214 A (BELL STERLING W) 16 September 1975 * column 3, line 1 - column 3, line 19; figures 1,6 *	1-4,9,18	
A	US 4 064 715 A (HODGSON DAVID A ET AL) 27 December 1977 * column 2, line 22 - column 2, line 37; figure 2 *	9,20	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A63C E05B
The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>11 June 1999</b>	Examiner <b>Feber, L</b>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p> <p>&amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1505 03 82 (P4/C01)

**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  
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11-06-1999

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82