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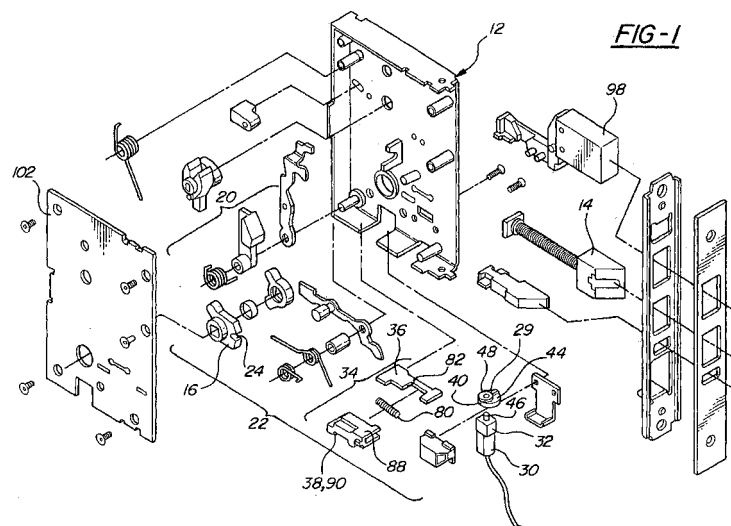
- **Moon, Charles W.**
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(54) **Electronic lock**

(57) A mortise lockset apparatus (10) that includes a retractable bolt (98) movably supported within a case (12). A door handle is pivotally supported on a hub (16) supported in the case, the hub being operably connected to the retractable bolt. The bolt is retracted by turning the door handle. A lock-out mechanism (22) is configured to prevent the handle from being turned when the lock-out

mechanism is in an engaged position. A lever (100) is pivotally mounted on a spindle (104) which is operatively connected to the deadbolt (98). Rotation of the spindle (104) actuates a microswitch (106) to indicate the position of the deadbolt, and a lockset controller (28) is connected to a key reader (26) to identify properly configured keys.



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EUROPEAN SEARCH REPORT

Application Number
EP 05 01 5049

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 96/01355 A (LOCKWOOD AUSTRALIA PTY LTD [AU]) 18 January 1996 (1996-01-18) * page 7, line 14 - line 26 * * page 11, line 30 - line 31 * * page 13, line 24 - line 29; figure 1 * -----	1	INV. E05B49/00 E05B47/06 G07C9/00 E05B47/00 E05B17/00 E05B15/00
X	US 4 916 299 A (FISH AARON M [CA] ET AL) 10 April 1990 (1990-04-10) * column 4, line 17 - line 44 * * column 5, line 11 - line 59; figure 5 * -----	1	
X	EP 0 712 982 A (LOY OLIVER [AT]; UMUNDUM DIETMAR [AT]; WAELDE AXEL [AT]) 22 May 1996 (1996-05-22) * column 3, line 20 - column 4, line 12; figure * -----	1	
A	DE 43 44 314 A1 (FUSS FRITZ GMBH & CO [DE]) 29 June 1995 (1995-06-29) * the whole document * -----	1	
A	EP 0 281 137 A (WINKHAUS AUGUST GMBH CO KG [DE]; DOERRENHAUS FA WILHELM [DE]) 7 September 1988 (1988-09-07) * the whole document * -----	1	<div>TECHNICAL FIELDS SEARCHED (IPC)</div> <div>E05B</div>
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		11 February 2008	Pieracci, Andrea
<div>CATEGORY OF CITED DOCUMENTS</div> <div> 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 </div>			

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

EP 05 01 5049

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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11-02-2008

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9601355 A	18-01-1996	AU 2780095 A	25-01-1996
		GB 2304375 A	19-03-1997
		HK 1010460 A1	17-06-1999
		NZ 288529 A	26-01-1998
		SG 71061 A1	21-03-2000
US 4916299 A	10-04-1990	NONE	
EP 0712982 A	22-05-1996	NONE	
DE 4344314 A1	29-06-1995	NONE	
EP 0281137 A	07-09-1988	DE 3707284 A1	15-09-1988
		FI 881017 A	07-09-1988