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(71) Applicant: **Ferremi Leonino S.r.l.
25070 Lavenone BS (IT)**

(72) Inventor: **FRASCIO, Luciano
25078, Vestone (Brescia) (IT)**

(74) Representative: **Crippa, Paolo Ernesto
Jacobacci & Partners S. p. A.
Piazzale Arnaldo, 2
25121 Brescia (IT)**

(54) Handle return device

(57) A handle return device (1) for a door, main entrance, gate and the like, comprises an operating lever (2), having an insertion end (3), and a seating enclosure (5) wherein said insertion end (3) is arranged, said operating lever (2) being suitable for being operatively connected to opening/closing means suitable for allowing the opening and closing of aid door and said device (1)

further comprising an elastic element (10) connected to said insertion end (3) and arranged in said seating enclosure (5), for elastically returning said operating lever (2) and said elastic element (10) comprising a plurality of coils (11) axially packed, so as to reduce the overall dimensions of said device (1).



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	GB 1 220 187 A (JAMES COLLINS BIRMINGHAM LTD) 20 January 1971 (1971-01-20) * the whole document * -----	1-17, 23-25	INV. E05B3/06
X	GB 577 759 A (LACRINOID PRODUCTS LTD) 30 May 1946 (1946-05-30) * the whole document * -----	1-7, 10-17, 19-22, 24,25	
X	US 5 265 924 A (KIM WON S) 30 November 1993 (1993-11-30) * the whole document * -----	1-7, 10-18, 23-25	
A	GB 989 273 A (PETFORD & O NEILL LTD) 14 April 1965 (1965-04-14) * page 1, line 67 - page 2, line 60; figure 4 * -----	1,5-10, 12-14, 18,19, 24,25	TECHNICAL FIELDS SEARCHED (IPC)
			E05B
2 The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		28 March 2007	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			

**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.

28-03-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 1220187	A	20-01-1971	NONE	
GB 577759	A	30-05-1946	NONE	
US 5265924	A	30-11-1993	NONE	
GB 989273	A	14-04-1965	NONE	