



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
13.04.2011 Bulletin 2011/15

(51) Int Cl.:
A47B 53/02 (2006.01)

(43) Date of publication A2:
22.04.2009 Bulletin 2009/17

(21) Application number: **08166429.4**

(22) Date of filing: **13.10.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

(71) Applicant: **Boteco S.p.A.**
36010 Zane' (VI) (IT)

(72) Inventor: **Borgo, Mario**
36016 THIENE VI (IT)

(30) Priority: **18.10.2007 IT PD20070342**

(74) Representative: **Modiano, Micaela Nadia et al**
Dr. Modiano & Associati SpA
Via Meravigli 16
20123 Milano (IT)

(54) **Operating handwheel provided with locking device, particularly for operating handwheels of cabinets that can move on rails**

(57) An operating handwheel (10) for cabinets that can move on rails, provided with a locking device (11) comprising

- an actuation body (14), which is accommodated in a seat (16) formed on a handwheel (12) and is provided with a part (15) that can be gripped by the user to operate it,
- pins (17, 117) adapted to lock the rotation of the handwheel (12), jointly connected to the actuation body (14), the cabinet having a component (18, 118) provided with containment holes (19, 119) for the pins (17, 117).

The actuation body (14) can slide for extraction from, and insertion in, the seat (16), in order to pass:

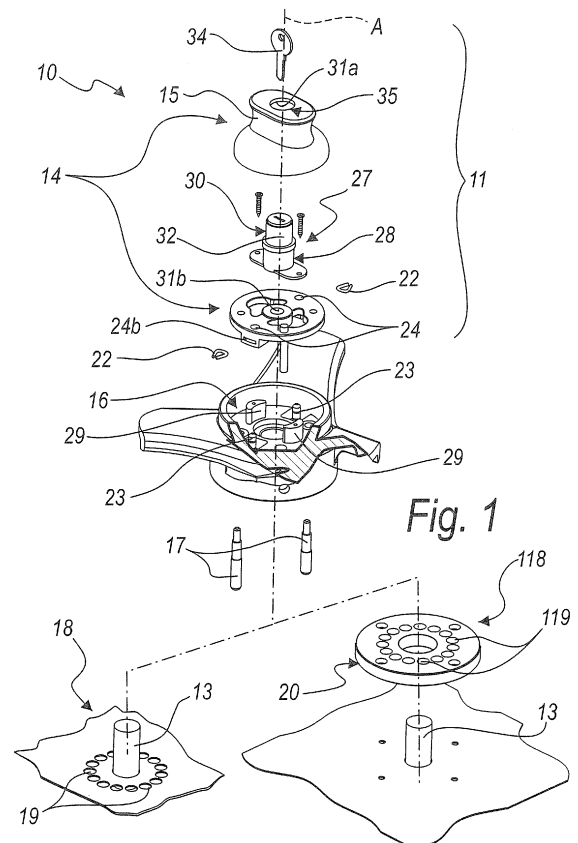
- from a first insertion configuration, in which the pins (17, 117) are inserted in the containment holes (19, 119)
- to a second extraction configuration, in which the pins (17, 117) are extracted from the containment holes (19, 119), and vice versa.

Moreover, the handwheel comprises:

- means (21) for the reversible interlocking of the actuation body (14), which are adapted to retain it when it is in a position for extraction from, or in a position for insertion in, the seat (16), which correspond respectively to the first configuration and to the second configuration;
- a key-operated lock (27), which is composed of a main body (28), which is jointly connected to the handwheel (12), and an element (30) for locking the actuation body (14) in the first configuration.

The lock (27) can be operated to close, when the actuation body (14) is in the first configuration, to prevent

its transition to the second configuration.





PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 08 16 6429

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	EP 1 498 048 A1 (ELESA SPA [IT]) 19 January 2005 (2005-01-19) * the whole document * -----	1-3,7-9	INV. A47B53/02
X	US 4 523 794 A (PETERMAN ROBERT J [US]) 18 June 1985 (1985-06-18) * the whole document * -----	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			A47B E05B
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search		Date of completion of the search	Examiner
The Hague		3 March 2011	Ottesen, Rune
CATEGORY OF CITED DOCUMENTS		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	
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			

2
EPO FORM 1503 03.02 (P04E07)



**INCOMPLETE SEARCH
SHEET C**

Application Number
EP 08 16 6429

R62(a)

Claim(s) completely searchable:
1-3, 7-9

Claim(s) not searched:
4-6

Reason for the limitation of the search:

R62(a)

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

EP 08 16 6429

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.

03-03-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1498048 A1	19-01-2005	US 2005023845 A1	03-02-2005
US 4523794 A	18-06-1985	NONE	

EPO FORM P0459

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