



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
24.01.2007 Bulletin 2007/04

(51) Int Cl.:
H01H 25/06 (2006.01) **H01H 3/60** (2006.01)
H01H 13/56 (2006.01)

(43) Date of publication A2:
04.05.2005 Bulletin 2005/18

(21) Application number: **04025665.3**

(22) Date of filing: **28.10.2004**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL HR LT LV MK

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(30) Priority: **31.10.2003 JP 2003372724**

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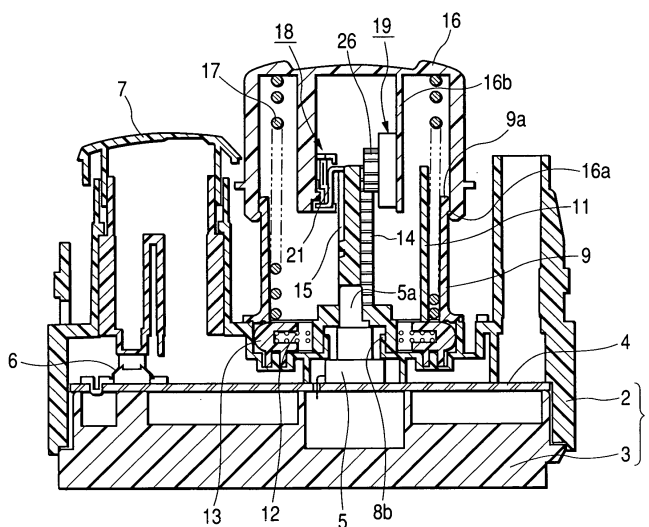
(54) **Combined operating mechanism**

(57) The present invention provides a high-quality combined operating mechanism capable of putting a brake on up-and-down movements of an operating member which is pressed and rotated.

A protruding wall 11b with a rack 14 and a heart-shaped cam groove 15 is vertically arranged in a rotational member 11 that is rotatably supported by a housing 1. An operating member 16 is spline-coupled to the rotational member 11 via a coil spring 17 so as to be movable in up and down directions with respect to the rota-

tional member. A pin holder 18 and a rotary damper 19 are supported by a supporting wall 16b that is vertically arranged in the operating member 16. Also, a sliding end 21a of the pin holder 18 is engaged with the heart-shaped cam groove 15, thereby constructing a push-lock mechanism to lock the operating member 18 at its lowered position. A pinion 26 of the rotary damper 19 meshes with the rack 14, which forms operation resistance applying means that puts a brake on up-and down movements of the operating member 16.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 02 5665

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| X | DE 199 51 422 A1 (AEG HAUSGERAETE GMBH [DE]) 10 May 2001 (2001-05-10) * column 4, lines 2-39 - column 5, lines 31-55; figures 1,2 * ----- | 1,2,4 | INV. H01H25/06 H01H3/60 H01H13/56 |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | H01H G05G |
| The present search report has been drawn up for all claims | | | |
| Place of search Munich | | Date of completion of the search 14 December 2006 | Examiner GLAMAN, C |
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EPO FORM 1503 03/82 (P04C01)

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

EP 04 02 5665

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14-12-2006

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EPO FORM P0459

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