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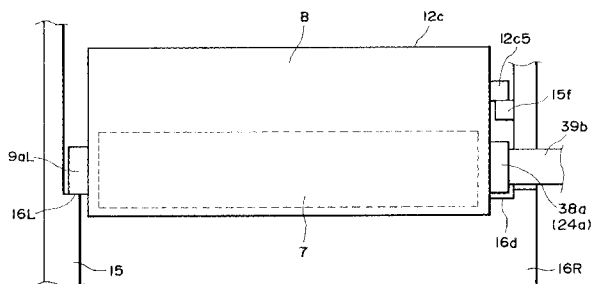
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(54) **Process cartridge and electrophotographic image forming apparatus**

(57) A process cartridge (B) detachably mountable to a main assembly of an electrophotographic image forming apparatus, wherein the main assembly includes a motor, a main assembly side gear for receiving driving force from the motor, a main assembly positioning member, a hole which is substantially coaxial with the gear, and a process cartridge mounting portion for mounting the process cartridge, the process cartridge includes an electrophotographic photosensitive drum (7); process means actable on the photosensitive drum; and a projection engageable with the hole, the projection being provided at a longitudinal end of the photosensitive

drum; wherein when the main assembly side gear rotates with the hole and projection engaged with each other, the rotational driving force is transmitted from the gear to the photosensitive drum through engagement between the hole and the projection; a cartridge positioning portion (12c5) for abutting to the main assembly positioning portion (15f) to stop a movement of the process cartridge beyond a predetermined distance in a direction substantially perpendicular to an axis of the photosensitive drum, when the process cartridge is mounted to the cartridge mounting portion, and the photosensitive drum receives the rotation driving force through the hole and the projection.

**FIG. 37****EP 0 833 227 A3**



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# EUROPEAN SEARCH REPORT

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| 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)     |
| P,X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | EP 0 797 125 A (CANON KK)<br><br>* claim 1; figures 7-11,28-31 *<br>* column 6, line 50 - column 7, line 55 *<br>* column 30, line 11 - column 31, line 11 *<br>*<br>--- | 1-4,11,12,15-17,35-38,46,49-52,54                           | G03G21/18                                        |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EP 0 520 802 A (CANON KK)<br><br>* claim 1; figures 1,21,22 *<br>* column 18, line 39 - column 20, line 5 *<br>*<br>---                                                  | 1,18,35,52-54                                               | TECHNICAL FIELDS SEARCHED (Int.Cl.6)<br><br>G03G |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | EP 0 679 963 A (CANON KK)<br><br>* claim 1; figures 1,5,10-15 *<br>* column 11, line 43 - column 13, line 41 *<br>*<br>-----                                             | 1,18,35,52-54                                               |                                                  |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                          |                                                             |                                                  |
| Place of search<br><b>THE HAGUE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                          | Date of completion of the search<br><b>24 February 1998</b> | Examiner<br><b>Greiser, N</b>                    |
| <p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>3 : member of the same patent family, corresponding document</p> |                                                                                                                                                                          |                                                             |                                                  |

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