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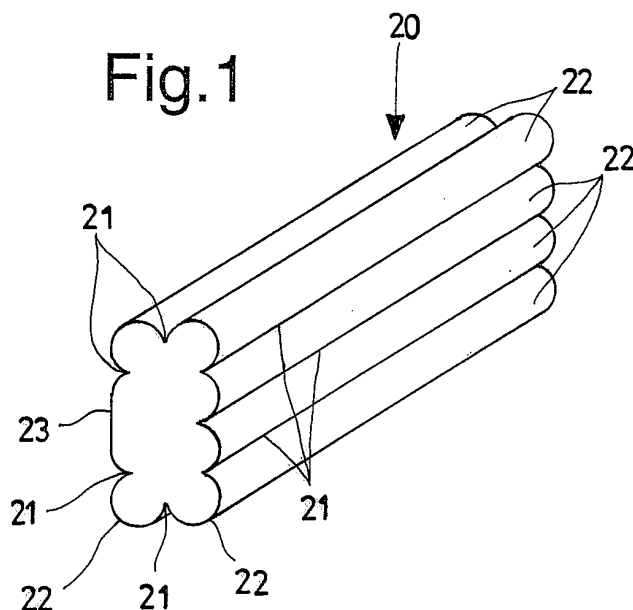
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(54) **Improved hygiene device for WC**

(57) In an improved hygiene device for WCs, comprising a perforated distributing element (12), a hook (13) for being engaged with the edge of the WC, integral with the perforated distributing element (12), and a detergent and/or deodorant means in the solid state (20, 120) in the form of a solid block of material contained inside the

perforated distributing element (12), the solid detergent and/or deodorant block of material (20, 120) is provided with a series of surface grooves (21, 121), alternating with curved surface portions (22, 122), said surface conformation being suitable for increasing the surface area of the solid detergent and/or deodorant means (20, 120).





## 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 (IPC) |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EP 1 522 319 A1 (BOLTON MANITOBA SPA [IT])<br>13 April 2005 (2005-04-13)                                                                    | 1-5,7-10                                       | INV.<br>E03D9/02                        |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | * paragraphs [0004], [0008], [0033] - [0035]; figure 2 *                                                                                    | 6                                              | E03D9/03                                |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -----<br>US 2008/190457 A1 (VELTMAN JEROME J [US] ET AL) 14 August 2008 (2008-08-14)<br>* paragraphs [0069] - [0074], [0082]; figures 4,5 * | 6,9,10                                         |                                         |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                             |                                                | E03D                                    |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                             |                                                |                                         |
| Place of search<br>Munich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                             | Date of completion of the search<br>6 May 2013 | Examiner<br>Horst, Werner               |
| <p>CATEGORY OF CITED DOCUMENTS</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/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                             |                                                |                                         |

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 09 17 2179

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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