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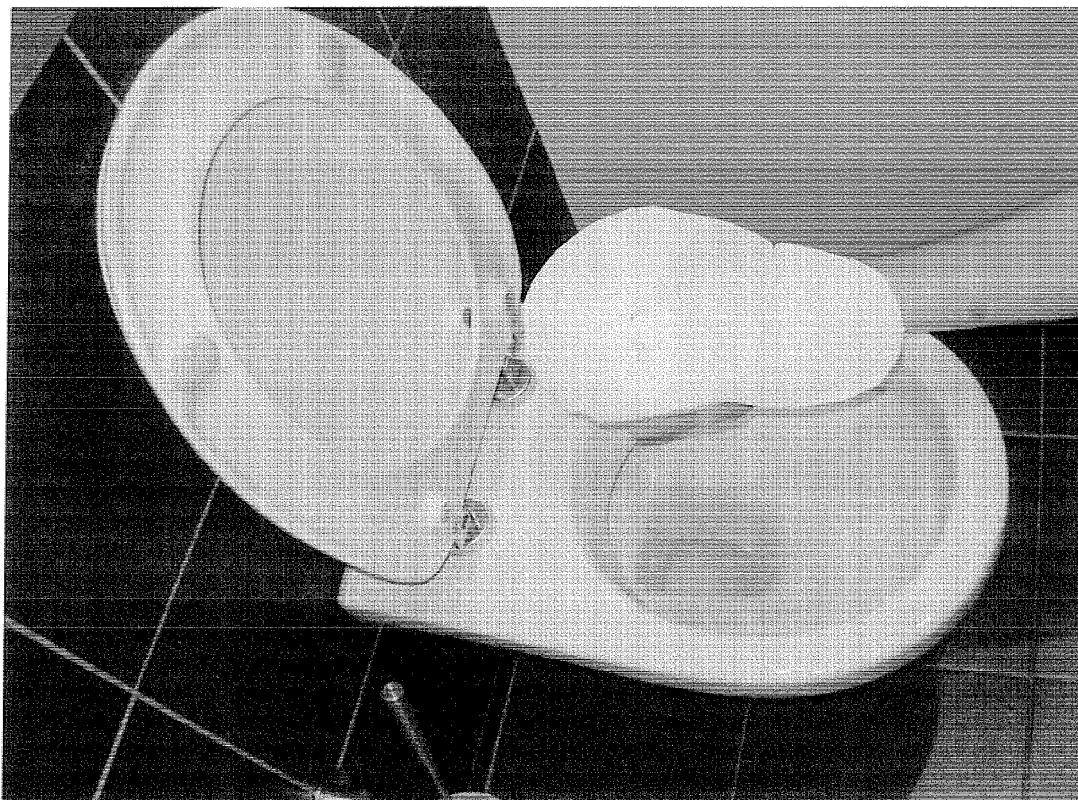
**7591 JS Denekamp (NL)**

(54) **Flusher**

(57) A product that is an innovation in toilet hygiene, it has it function for all toilet visitors (from young children to old and disabled persons), when "unloading" their faeces and for women also when having their period (menstruation blood loss). It can be applied in all places where people make use of a toilet regardless the type of toilet.

The gain is that all waste will be flushed in one go. This saves water, makes a toilet visit more hygienic, saves time and contributes to a more comfortable feeling of the toilet visitor. The product can by adaptation of the paper also be used for perceiving urine and faeces for medical examination in professional and home environment.

The product is easy to position with one hand movement into the toilet (e.g. deep rinse).



Picture 5 (above): positioning of the product

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## Description

### Field of the invention

**[0001]** The invention is a product, it is an innovation at the field of toilet hygiene.

### Description

**[0002]** Beside the use and availability of toilet paper, the toilet visitor can use this product, for the purpose of making it possible to flush in one go menstruation blood and faeces away. It overcomes that, another flush of the toilet is necessary when a part of the menstruation blood or faeces is still at the bottom of the toilet. Another purpose of the product is that at least the possible traces of faeces at the centre of the toilet bowl, do not have to be brushed away after a toilet visit.

**[0003]** The shape and material choice of this product (see Picture 1-6 on page 4-5) which need more development in co-operation with the industry, makes it to a perfect working and reliable item. After that development industry makes the product affordable and accesses able to the toilet visitor through divers sorts of packaging e.g. for home-use, in a take away form ( e.g. the seize of paper napkins) beside the normal toilet paper at bars and public places.

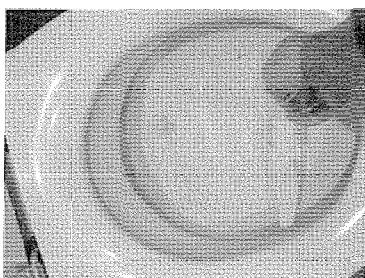
**[0004]** The product will be used as follows; A toilet visitor, from small children to elderly and disabled persons, will bring the product in its position (Picture 7 and 8).

**[0005]** The visitor does his needs and uses normal toilet paper as usual (Picture 9).

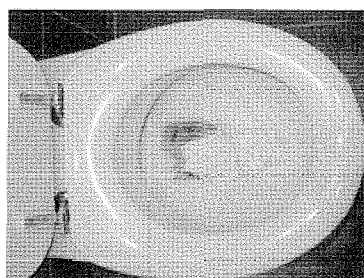
**[0006]** When ready, the visitor will flush the toilet (Picture 10) and all waste will be gone with the first flush of the toilet (Picture 11 and 12).



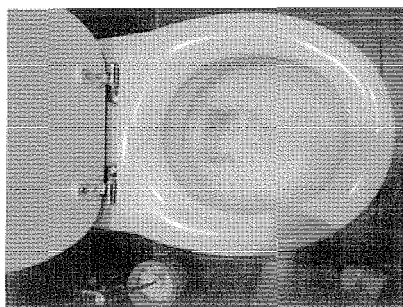
Picture 7



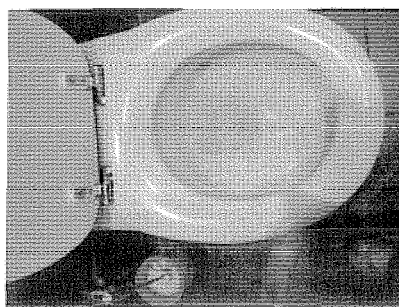
Picture 8



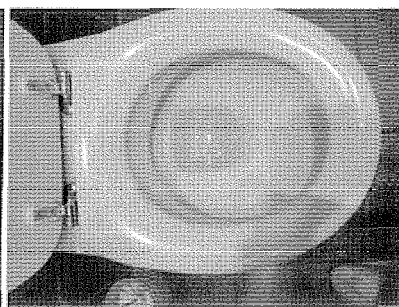
Picture 9



Picture 10



Picture 11



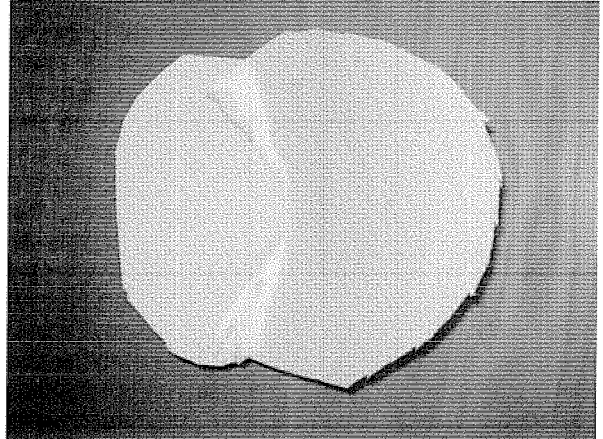
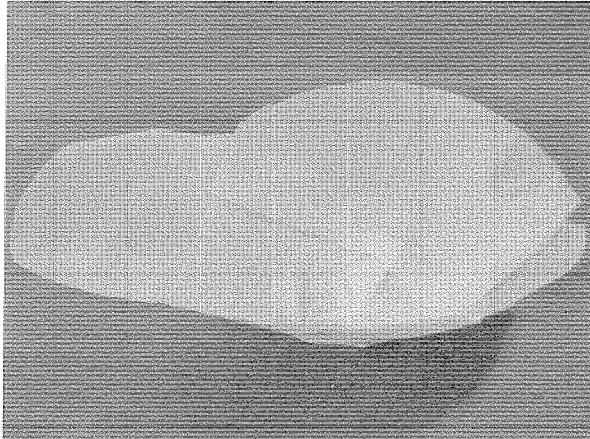
Picture 12

### Claims

1. The product makes it possible to flush in one go menstruation blood and faeces away. It overcomes that, another flush of the toilet is necessary when a part of the menstruation blood or faeces is still at the bottom of the toilet.
2. Another purpose of the product is that, it overcomes at least the possible traces of faeces at the centre of the toilet bowl, so those does not need to be brushed away after a toilet visit.

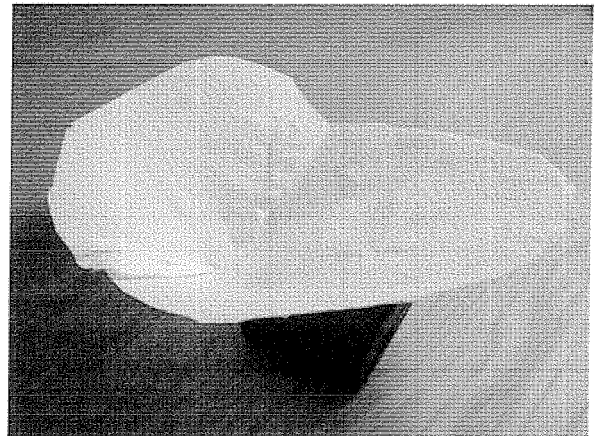
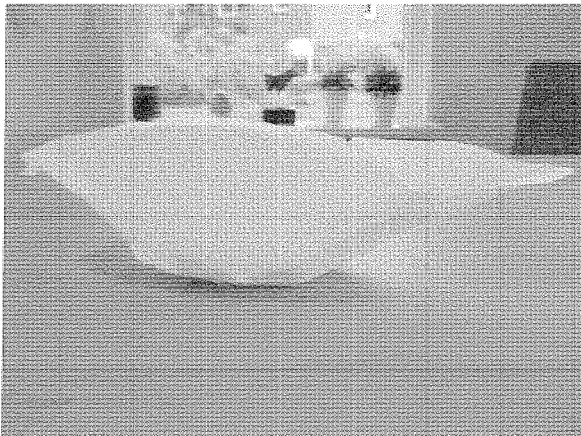
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3. It is **characterized in that** the shape of this product, it is applicable on different types of toilet (deep rinse toilet and just rinse toilet).
4. It contributes to a better environment because again flushing of the toilet is not necessary anymore (e.g. 8 million Citizens flush their toilet 1 time less per day, this saves 72.000m<sup>3</sup> water per day). The savings are the use of tap water by the citizens and less burden for the water purification installations of waste water.
5. Another water saving contribution is that the flushing of the toilet can be done with the water safe mode instead of full mode flush (e.g. 6 instead of 9 litre of water).
6. It contributes to a more hygienic toilet visit because no toilet water splashes up when the faeces drops in the water.
7. It contributes to a more comfortable feeling of the toilet visitor:
  - a. the habit of toilet visitor of first laying down numerous sheets of toilet paper in the toilet bowl is not necessary anymore;
  - b. brushing clean the toilet bowl is barely necessary anymore;
  - c. it is not needed to wait until the water reservoir is full again for another flush;
  - d. no water splashes to your back-end.
8. The product is also applicable (maybe some change in the sort of paper) to perceive urine and faeces for medical examination more easily in professional and home environment.

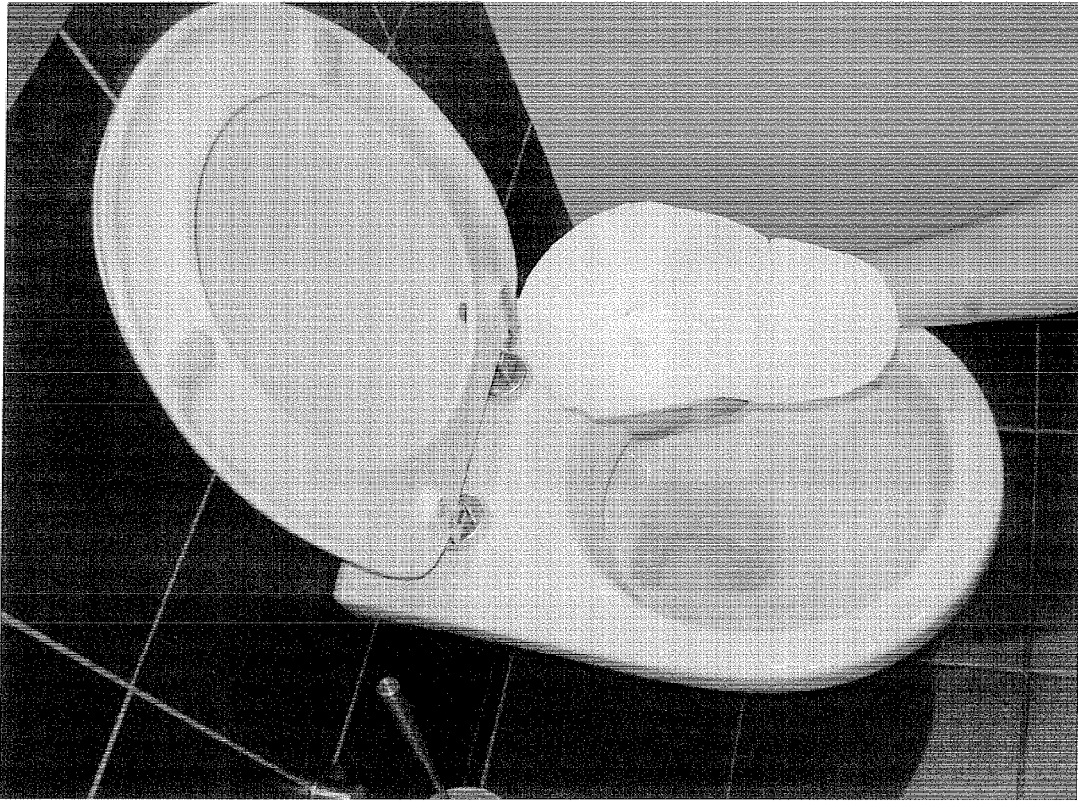


Picture 1 and 2 (above): product prototypes in unfolded state, top view

Picture 3 and 4 (below): product prototypes in unfolded state, side view

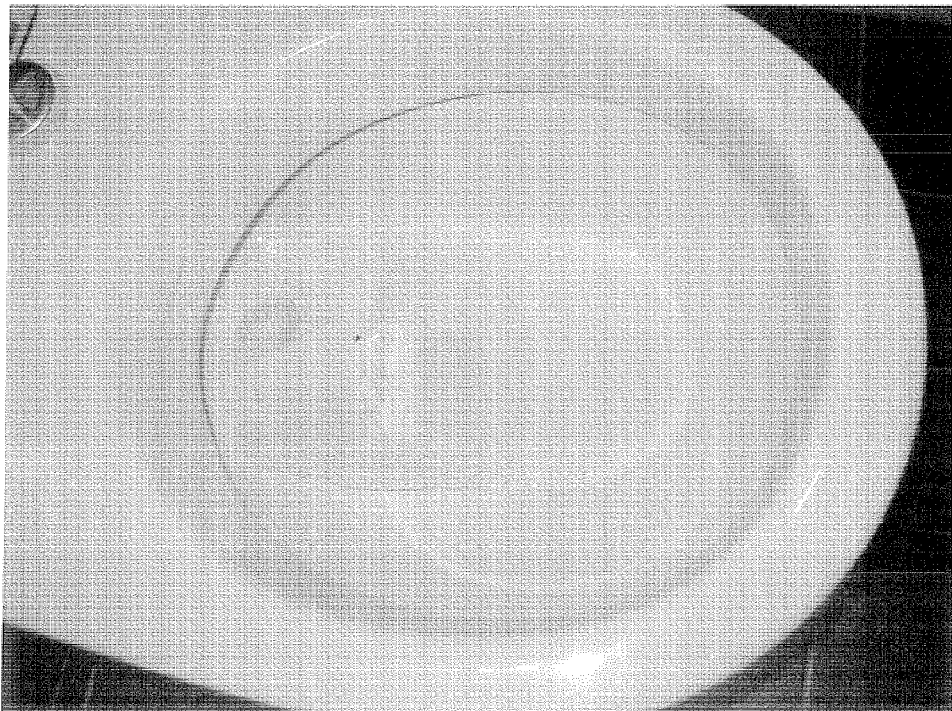


The product is easy to position with one hand movement into the toilet (e.g. deep rinse).



Picture 5 (above): positioning of the product

Picture 6 (below): product is at his place in the toilet





## EUROPEAN SEARCH REPORT

Application Number  
EP 12 07 5080

| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NL 1 023 347 C1 (BREEDVELT ADRIANUS [NL])<br>9 November 2004 (2004-11-09)<br>* abstract; figures * | 1                                | INV.<br>A47K11/10                       |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                    |                                  | A47K                                    |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                    |                                  |                                         |
| Place of search                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                    | Date of completion of the search | Examiner                                |
| The Hague                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                    | 15 November 2012                 | Clasing, Martina                        |
| <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</p> <p>&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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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  
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15-11-2012

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