Abstract: The water clarifier, according to this invention, comprises a chamber (C) accommodating a plurality of spaced plates (P), placed one against the other, each plate having an aperture (A) at the center, the plates (P) fully spanning the chamber (C); a grill (G) fixed, at an inclination, to each plate (P), over the aperture (A), for enabling the water, required to be clarified, to pass there through and cause the solids in the water to be separated, while the space (S) between the plates (P) creates a turbulence in the water as it passes from one grill (G) to another, the turbulence simultaneously flocculating the water in the said space (S); an inlet for the entry of the water to be clarified into the chamber (C), and an outlet for the exit of the clarified water from the chamber (C).
**A. CLASSIFICATION OF SUBJECT MATTER**

IPC: C02F1/52 (2006.01); E03F5/14 (2006.01); B01D 29/44 (2006.01); B01D 25/02 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC: C02F, EO3F, B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, X-FULL

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
</table>
Abstract: Description, col. 1, 54 - 66, col. 3, 33 - 60; Fig 3, 5, 6;  
Claims 1, 5, 6, 8 | 1 - 2 |
|          |                                                                                   |                     |
Abstract: Description, col. 3, 11 - 29, col. 4, 13 - 42, col. 5, 39 - 67, col. 6, 1 - 7; Fig. 7, 9 | 1 - 2 |

Further documents are listed in the continuation of Box C.  
See patent family annex

* Special categories of cited documents  
"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent but published on or after the international filing date  
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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
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"&" document member of the same patent family

Date of the actual completion of the international search  
19 October 2007 (19.10.2007)  
Date of mailing of the international search report  
29 November 2007 (29.11.2007)

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