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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

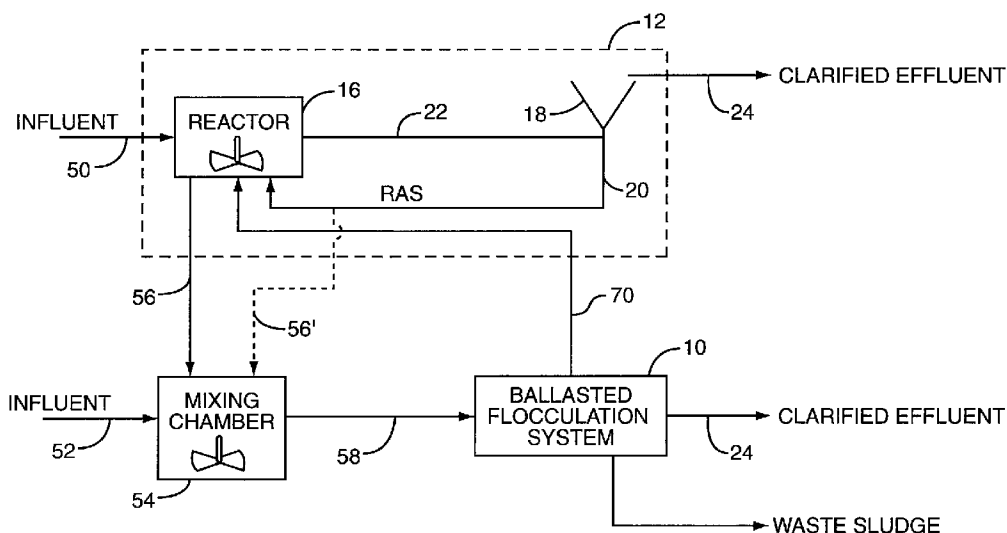
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- (88) Date of publication of the international search report:
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WASTEWATER TREATMENT USING ACTIVATED SLUDGE AND BALLASTED FLOCCULATION



(57) Abstract: A method and system for treating water or wastewater (50) to remove both soluble BOD and suspended solids. The method entails directing first and second water or wastewater streams to a treatment system including an activated sludge system (12) and a ballasted flocculation system (10). The first water or wastewater stream is directed to the activated sludge system which includes at least one reactor (16) and a clarifier (18). The second water or wastewater stream is directed to a ballasted flocculation system (10).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/60038

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **C02F 3/00(2006.01);B01D 21/00(2006.01)**

USPC: 210/607,616,626,714,220,150,196,265
 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)
 U.S. : 210/607,616,626,714, 220,150,196,265

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)


C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 7,153,431 A (DAUGHERTY) 26 December 2006 (26.12.2006), column 2 line 64 - column 4 line 6.	22-25
A	US 6,783,679 A (ROZICH) 31 August 2004 (31.08.2004)	1-41
A	US 5,976,375 A (DORICA et al.) 02 November 1999 (02.11.1999)	1-41
A	US 6,277,285 A (VION et al.) 21 August 2001 (21.08.2001)	1-41

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	"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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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Chester T. Barry Telephone No. 703-308-0651 
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INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of Item 4 of the first sheet:

WASTEWATER TREATMENT USING ACTIVATED SLUDGE AND BALLASTED FLOCCULATION