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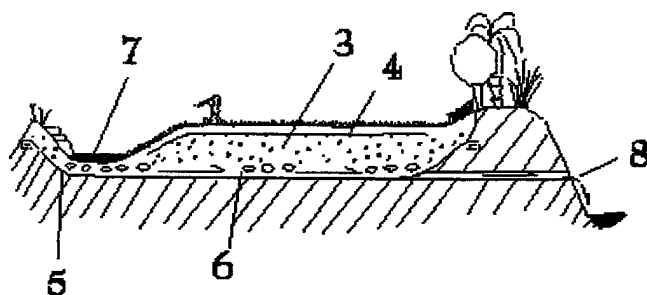
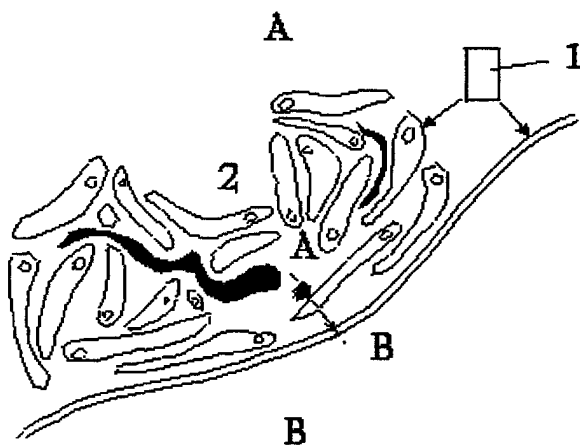
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[Continúa en la página siguiente]

(54) Title: SYMBIOTIC RESIDUAL WATER TREATMENT STATION

(54) Título: DEPURADORA SIMBIOTICA DE AGUAS RESIDUALES



(57) Abstract: The invention concerns a residual water treatment process, characterized in that it is carried out in close association with sports fields, public gardens, recreational areas, agricultural crops, etc. with the purpose of providing mutual benefits. According to the invention, quality of residual waters is improved up to tertiary treatment values by means of the economic resources generated by the creation of new green surfaces that do not require additional water supply due to the fact they grow on the green cover implanted on the beds of a conventional filtration-percolation tertiary treatment station. The method is characterized in that water is applied underground to the percolation beds for increased efficiency of the treatment (less evaporation losses), the green areas can be used even during irrigation and direct contact of users of said areas with residual waters is prevented.

(57) Resumen: Procedimiento de depuración de aguas residuales caracterizado por desarrollarse en íntima asociación con campos deportivos, jardines públicos, zonas recreativas, cultivos agrícolas, etc., para proporcionarse recíprocos beneficios. Según la Invención, se posibilita la mejora de la calidad de las aguas residuales, hasta los valores propios del tratamiento terciario, mediante los recursos económicos generados por la creación de nuevas superficies verdes que no precisan un aporte de agua suplementario, ya que se desarrollan sobre el tapizante verde

que se implanta sobre los lechos de una Estación de Tratamiento Terciario convencional, del tipo filtración-percolación. El procedimiento se caracteriza por la aplicación subterránea del agua a los lechos de percolación para aumentar la eficiencia del Tratamiento (menores pérdidas por

[Continúa en la página siguiente]

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/ ES 00/00492

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C02F 3/04

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 7 C02F

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)

CIBEPAT, EPODOC, WIP, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ES 2050909 T3 (SPACE BIOSPHERE VENTURE) 1 June 1994 (01.06.94) column 8, lines 54-64; claims 1,12	3
X	WO 9625366 A1 (WORTHINGTON) 22 August 1996 (22.08.96) abstract page 8, lines 12-21	3
X	EP 0586805 A2 (OASE PUMPEN WÜBKER SÖHNE GMBH) 16 March 1994 (16.03.94) column 4, lines 6-27, claim 1, figure 1	3

☐ 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

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"P" document published prior to the international filing date but later than the priority date claimed

"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

8 March 2001 (08.03.01)

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2 April 2001 (02.04.01)

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