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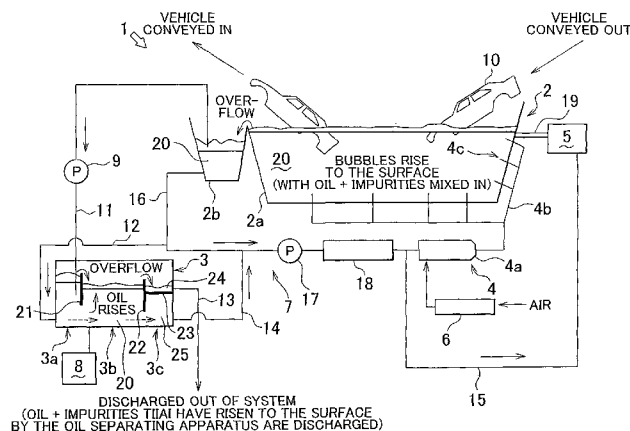
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(54) Title: MICROBUBBLE CLEANING SYSTEM FOR A LARGE PRODUCT SUCH AS A VEHICLE

FIG. 1



(57) Abstract: A microbubble cleaning system (1) includes a tank (2) in which a solution (20) into which a product is immersed to clean the product is stored; supplying means (4) for putting microbubbles into the solution and supplying the solution that includes the microbubbles into the tank; oil separating apparatus (3) that collects bubbles that have risen to a surface of the solution stored in the tank as a result of cleaning the product, as well as a portion of the solution that is near the surface of the solution, in order to separate oil from the solution; generating means (5) for generating a surface flow of the solution near the surface of the solution in order to remove the bubbles that have risen to the surface of the solution in the tank; and removing means (6) for removing carbon dioxide from air that is used to generate the microbubbles by the supplying means.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER INV. B08B3/08 B08B3/10 B05C3/00 B05C3/10 B60S3/00 ADD.		
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) B08B B05C B60S B05B C23G		
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 practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2007 301529 A (MITSUBISHI ELECTRIC CORP; SHIMADA PHYSICAL CHEM IND CO) 22 November 2007 (2007-11-22) cited in the application abstract	1-6
A	JP 6 212464 A (HONDA MOTOR CO LTD) 2 August 1994 (1994-08-02) abstract	1-6
☐ 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 document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2007301529	A	22-11-2007	NONE	

JP 6212464	A	02-08-1994	NONE	
