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0853785 6 June 2008 (06.06.2008) FR(71) Applicant (for all designated States except US): **MILLIPORE CORPORATION** [US/US]; 290 Concord Road, Billerica, MA 01821 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **RAJAGOPALAN, Pascal** [FR/FR]; 21 bis chemin des près de la Garenne, F-93600 Aulnay-sous-bois (FR). **VANHEGHE, Antony** [FR/FR]; 90 avenue d'Argenteuil, F-92600 Asniere sur seine (FR). **LE NINIVIN, Céline** [FR/FR]; 1, rue aux Cannes, F-78480 Verneuil sur Seine (FR). **DIMITRAKOPOULOS, Aristotelis** [GR/FR]; 21, rue du Général de Gaulle, F-28130 Saint Martin de Nigelles (FR).(74) Agent: **SANTARELLI**; 14, avenue de la Grande Armée, B.P. 237, F-75822 Paris Cedex 17 (FR).

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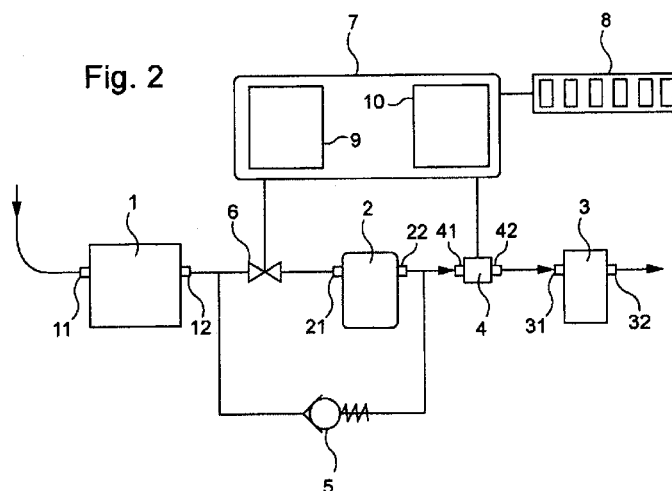
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(54) Title: METHOD AND DEVICE FOR MEASURING THE PURITY OF ULTRAPURE WATER

Fig. 2

(57) Abstract: This is a method for analyzing the purity of water at the outlet from a purification device. It comprises the following steps: a) sending the liquid at the outlet from the filter means (1) to a resistivity measuring cell (4) to determine its resistivity P_{UPW} ; b) establishing a reference mode by exposing a portion of the liquid to said oxidation means (2) during a given number of significantly different time periods; c) determining by regression the resistivity at infinity $p_{\infty REF}$ of said liquid in this reference mode; d) establishing an analysis mode by causing said liquid to be analyzed to pass through the resistivity measuring cell (4); e) determining the resistivity at infinity p_{∞} of said liquid in this analysis mode by successive iterations; and f) calculating the quantity of organic compounds contained in said purified liquid from this resistivity at infinity p_{∞} and at least the values P_{UPW} and $P_{\infty REF}$.