

Title (en)
FLUID PURIFICATION DEVICES AND METHODS EMPLOYING DEIONIZATION FOLLOWED BY IONIZATION FOLLOWED BY DEIONIZATION

Title (de)
VORRICHTUNG ZUR REINIGUNG VON FLÜSSIGKEITEN UND VERFAHREN MIT DER SCHRIFTFOLGE :DEIONISIERUNG, IONISIERUNG, DEIONISIERUNG

Title (fr)
DISPOSITIFS ET PROCEDES DE PURIFICATION DE FLUIDE PAR LA DESIONISATION SUIVIE PAR L'IONISATION SUIVIE PAR LA DESIONISATION

Publication
EP 1027136 A4 20030514 (EN)

Application
EP 98930414 A 19980619

Priority
• US 9812823 W 19980619
• US 5037697 P 19970620

Abstract (en)
[origin: WO9858727A1] The invention provides the continuous, integrated methods and devices for substantially removing ionized and ionizable carbon compounds from an aqueous stream by first deionization step to produce a first product stream, ionizing nonionized and nonionizable carbon compounds in such stream to form further ionized and ionizable compounds, and removing the latter by a second deionization step. The method can be performed for example in an apparatus including an EDI unit (10), an ionizing unit (60), and EDI unit (100).

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IPC 8 full level
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C-Set (source: EP)
B01D 2311/04 + **B01D 2311/2619** + **B01D 2311/2626**

Citation (search report)
• [XY] EP 0519504 A1 19921223 - MILLIPORE CORP [US]
• [XY] US 4863608 A 19890905 - KAWAI TOMOJI [JP], et al
• [Y] US 5368726 A 19941129 - MASOOMIAN STEPHEN Z [US]
• [Y] US 5118422 A 19920602 - COOPER GERALD [US], et al
• [XY] PATENT ABSTRACTS OF JAPAN vol. 003, no. 023 (C - 038) 26 February 1979 (1979-02-26)
• See also references of WO 9858727A1

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