

Title (en)

METHOD FOR TREATING WATER IN ORDER TO REDUCE THE METAL ION CONCENTRATION THEREOF

Title (de)

VERFAHREN ZUR WASSERBEHANDLUNG ZUR VERMINDERUNG DER METALLIONENKONZENTRATION

Title (fr)

PROCEDE DE TRAITEMENT DE L'EAU EN VUE D'EN REDUIRE SA CONCENTRATION EN IONS METALLIQUES

Publication

EP 1470082 A2 20041027 (FR)

Application

EP 03712275 A 20030122

Priority

- FR 0300205 W 20030122
- FR 0201015 A 20020129

Abstract (en)

[origin: FR2835248A1] The invention relates to a method for reducing the concentration of certain metals in the composition of water. Said method consists in carrying out microelectrolysis of the water that makes up the electrolyte, the amperage of the electric current used ranging from 15 mA and 200 A/m or more of electrodes; the voltage advantageously ranging from 20 mV and 48 V. According to one embodiment, the device for carrying out said method comprises a reactor (1). The water to be treated arrives in the lower part (2), the treated water is recovered in part (3), the carbonate and calcium and the iron oxide are recovered at the base. The invention can be used for treating water such as water for human consumption.

IPC 1-7

C02F 1/461

IPC 8 full level

C02F 1/467 (2006.01); **C02F 1/46** (2006.01)

CPC (source: EP)

C02F 1/4678 (2013.01); **C02F 1/4602** (2013.01); **C02F 2101/103** (2013.01); **C02F 2101/20** (2013.01); **C02F 2101/203** (2013.01); **C02F 2101/206** (2013.01)

DOCDB simple family (publication)

FR 2835248 A1 20030801; **FR 2835248 B1 20041022**; AU 2003216956 A1 20030902; EP 1470082 A2 20041027; MA 26404 A1 20041201; PL 371604 A1 20050627; TN SN04143 A1 20070312; WO 03064329 A1 20030807; WO 03064329 A8 20040429

DOCDB simple family (application)

FR 0201015 A 20020129; AU 2003216956 A 20030122; EP 03712275 A 20030122; FR 0300205 W 20030122; MA 27810 A 20040804; PL 37160403 A 20030122; TN SN04143 A 20040729