

Title (en)
METHOD FOR GROUNDWATER TREATMENT

Title (de)
VERFAHREN ZUR GRUNDWASSERBEHANDLUNG

Title (fr)
PROCEDE POUR LE TRAITEMENT DE L'EAU DE NAPPE PHREATIQUE

Publication
EP 1951629 A1 20080806 (EN)

Application
EP 06808785 A 20061031

Priority
• GR 2006000059 W 20061031
• GR 20050100557 A 20051031

Abstract (en)
[origin: WO2007052085A1] Method for treating underground waters (1) for removing arsenic. Said method is remarkable in that a biological oxidation of iron and manganese from the underground waters is performed during which the soluble iron and manganese are oxidized in the presence of iron and manganese oxidizing bacteria, characterized by the amorphous hydroxides and hydroxyoxides of iron and manganese which are formed and which on passage through a bed (4, 5) with a filter medium are removed from the water and gradually form a coating on the surface of the filter medium, thereby performing about a change in the properties of the filter medium which can simultaneously act as an adsorbent when it can also remove the arsenic by adsorption through a biological adsorption filtration.

IPC 8 full level
C02F 3/06 (2006.01); **C02F 3/34** (2006.01)

CPC (source: EP GR)
B09C 1/002 (2013.01 - EP); **B09C 1/10** (2013.01 - EP); **C02F 3/06** (2013.01 - EP GR); **C02F 3/34** (2013.01 - GR); **C02F 3/346** (2013.01 - EP); **C02F 2101/103** (2013.01 - EP); **C02F 2101/203** (2013.01 - EP); **C02F 2101/206** (2013.01 - EP); **C02F 2103/06** (2013.01 - EP); **Y02W 10/10** (2015.05 - EP)

Citation (search report)
See references of WO 2007052085A1

Cited by
CN104445829A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007052085 A1 20070510; EP 1951629 A1 20080806; GR 1005935 B 20080609; GR 20050100557 A 20070523

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