

Title (en)

CONTAMINANT ADSORPTION AND OXIDATION VIA THE FENTON REACTION

Title (de)

ADSORPTION VON KONTAMINANTEN UND OXIDATION MIT HILFE DER FENTON-REAKTION

Title (fr)

PROCEDE D'ADSORPTION ET D'OXYDATION DE CONTAMINANTS PAR L'INTERMEDIAIRE DE LA REACTION DE FENTON

Publication

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Application

EP 99921880 A 19990513

Priority

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- US 8541698 P 19980514

Abstract (en)

[origin: WO9958239A1] Contaminated water is treated by adsorbing contaminant onto a sorbent to concentrate the contaminant and then oxidizing the contaminant via the Fenton and related reactions. Iron is attached to the sorbent or can be added in solution with an oxidant. Both systems, iron attached to the sorbent or iron in solution, can be used to oxidize contaminants on or near the surface of the sorbent. The process can be used to treat contaminated water in above-ground and below-ground treatment systems.

IPC 1-7

B01J 21/18; B01J 23/745; C02F 1/28; C02F 1/72

IPC 8 full level

C02F 1/28 (2006.01); **C02F 1/72** (2006.01)

CPC (source: EP)

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