

Title (en)

ACID CONTACTED ENHANCED ADSORBENT PARTICLE AND METHOD OF MAKING AND USING THEREFOR

Title (de)

MIT SÄURE BEHANDELTEM SORBENTPARTIKEL UND METHODE ZU DESSEN HERSTELLUNG UND VERWENDUNG

Title (fr)

PARTICULE A ADSORPTION ACCRUE PAR MISE EN CONTACT AVEC UN ACIDE, SON PROCEDE DE FABRICATION ET D'UTILISATION

Publication

EP 0796145 A1 19970924 (EN)

Application

EP 95943006 A 19951206

Priority

- US 9515829 W 19951206
- US 35160094 A 19941207

Abstract (en)

[origin: WO9617682A1] This invention relates to a process for producing an enhanced adsorbent particle comprising contacting a non-amorphous, non-ceramic, crystalline, porous, calcined, aluminum oxide particle that was produced by calcining at a particle temperature of from 400 DEG C to 700 DEG C, with an acid for a sufficient time to increase the adsorbent properties of the particle. A process for producing an enhanced adsorbent particle comprising contacting a non-amorphous, non-ceramic, crystalline, porous, oxide adsorbent particle with an acid for a sufficient time to increase the adsorbent properties of the particle is also disclosed. Particles made by the process of the instant invention and particle uses, such as remediation of waste streams, are also provided.

IPC 1-7

B01J 20/08; **B01J 20/06**

IPC 8 full level

B01D 15/00 (2006.01); **B01D 53/02** (2006.01); **B01J 20/06** (2006.01); **B01J 20/08** (2006.01); **B01J 20/10** (2006.01); **B01J 20/281** (2006.01)

CPC (source: EP)

B01J 20/06 (2013.01); **B01J 20/08** (2013.01); **B01J 2219/00177** (2013.01)

Citation (search report)

See references of WO 9617682A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9617682 A1 19960613; AU 4416796 A 19960626; AU 708178 B2 19990729; CA 2207039 A1 19960613; EP 0796145 A1 19970924; IL 116276 A0 19960331; IL 116276 A 20001031; JP H11511687 A 19991012; TW 427926 B 20010401; ZA 9510401 B 19970609

DOCDB simple family (application)

US 9515829 W 19951206; AU 4416796 A 19951206; CA 2207039 A 19951206; EP 95943006 A 19951206; IL 11627695 A 19951207; JP 51773596 A 19951206; TW 84113063 A 19951207; ZA 9510401 A 19951207