Title (en)

ELECTROCHEMICAL DESENSITIZATION PROCESS

Publication

EP 0522140 A4 19930303 (EN)

Application

EP 92905614 A 19920124

Priority

- US 64538291 A 19910124
- US 82134992 A 19920121

Abstract (en)

[origin: WO9213117A1] Potentially hazardous compositions containing solid combustible fuels, oxidants, nitro-containing, nitramine-containing or nitrato-containing compounds and, in many cases, binders are desensitized by electrolysis at low current and over an extended period of time. Compositions containing binders are first oxidized at the anode (17, 18) to cause decomposition and swelling of the binder, followed by further oxidation of the remaining components of the composition or switching of the polarity (46) to cause reduction, as needed. The resulting compositions have a lowered sensitivity to initiation by such external influences as inadvertent impact or inadvertent electrostatic discharge.

IPC 1-7

C25B 3/04; C02F 1/46

IPC 8 full level

C25B 3/23 (2021.01); **A62D 3/115** (2007.01); **C02F 1/467** (2006.01); **C06B 25/00** (2006.01); **C25B 3/25** (2021.01); A62D 101/06 (2007.01); A62D 101/45 (2007.01); C02F 1/461 (2006.01)

CPC (source: EP)

A62D 3/115 (2013.01); **C02F 1/4672** (2013.01); **C02F 1/4676** (2013.01); A62D 2101/06 (2013.01); A62D 2101/45 (2013.01); C02F 1/46109 (2013.01); C02F 2001/46119 (2013.01); C02F 2001/46133 (2013.01); C02F 2001/46152 (2013.01); C02F 2101/003 (2013.01); C02F 2101/30 (2013.01); C02F 2101/38 (2013.01); C02F 2201/4612 (2013.01); C02F 2201/46155 (2013.01)

Citation (search report)

See references of WO 9213117A1

Designated contracting state (EPC)

FR IT

DOCDB simple family (publication)

WO 9213117 A1 19920806; DE 4290097 T1 19930128; EP 0522140 A1 19930113; EP 0522140 A4 19930303; GB 2258245 A 19930203; GB 2258245 B 19950322; GB 9220055 D0 19921118; JP H05504379 A 19930708; JP H0747832 B2 19950524; UA 26910 C2 19991229

DOCDB simple family (application)

US 9200551 W 19920124; DE 4290097 T 19920124; EP 92905614 A 19920124; GB 9220055 A 19920124; JP 50542192 A 19920124; UA 93003852 A 19920124