

Title (en)

METHOD FOR RECOVERING FLUORINATED EMULSIFIERS FROM AQUEOUS PHASES

Title (de)

VERFAHREN ZUR RÜCKGEWINNUNG FLUORIERTER EMULGATOREN AUS WÄSSRIGEN PHASEN

Title (fr)

PROCEDE POUR RECUPERER DES EMULSIFIANTS FLUORES CONTENUS DANS DES PHASES AQUEUSES

Publication

EP 1208065 A1 20020529 (DE)

Application

EP 00954467 A 20000711

Priority

- DE 19933696 A 19990717
- EP 0006556 W 20000711

Abstract (en)

[origin: US6706193B1] Fluorinated emulsifiers can be recovered from an aqueous phase containing small amounts of fluoropolymer particles by treating the aqueous phase with a small amount of a nonionic surface-active agent, bringing the aqueous phase adjusted in this way into contact with an anionic exchanger resin, and liberating the adsorbed emulsifier from the exchanger resin. The finely divided fluoropolymer can be precipitated quantitatively in the untreated aqueous phase or the eluate using flocculating agents.

IPC 1-7

C02F 1/42

IPC 8 full level

B01D 15/04 (2006.01); **B01D 17/12** (2006.01); **B01J 41/04** (2006.01); **C02F 1/42** (2006.01); **C02F 1/54** (2006.01); **C07C 51/47** (2006.01); **C07C 53/21** (2006.01); **C02F 101/36** (2006.01)

CPC (source: EP KR US)

B01J 41/04 (2013.01 - EP US); **C02F 1/42** (2013.01 - EP KR US); **C02F 1/547** (2013.01 - EP US); **C07C 51/47** (2013.01 - EP US)

C-Set (source: EP US)

C07C 51/47 + **C07C 53/18**

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 6706193 B1 20040316; AR 024730 A1 20021023; AU 6691500 A 20010205; AU 767303 B2 20031106; BR 0012520 A 20020402; CA 2379931 A1 20010125; CN 1145587 C 20040414; CN 1361751 A 20020731; CZ 2002128 A3 20021016; DE 19933696 A1 20010118; EP 1208065 A1 20020529; ES 2173825 T1 20021101; HU P0201949 A2 20021128; HU P0201949 A3 20030128; JP 2003505223 A 20030212; JP 3820369 B2 20060913; KR 100447479 B1 20040907; KR 20020039322 A 20020525; MX PA02000597 A 20030721; PL 364027 A1 20041129; RU 2248328 C2 20050320; SA 00210609 B1 20060822; TR 200200135 T2 20020621; TW 574151 B 20040201; WO 0105710 A1 20010125; ZA 200200397 B 20030625

DOCDB simple family (application)

US 975701 A 20011211; AR P000103601 A 20000713; AU 6691500 A 20000711; BR 0012520 A 20000711; CA 2379931 A 20000711; CN 00810428 A 20000711; CZ 2002128 A 20000711; DE 19933696 A 19990717; EP 0006556 W 20000711; EP 00954467 A 20000711; ES 00954467 T 20000711; HU P0201949 A 20000711; JP 2001511374 A 20000711; KR 20027000664 A 20020116; MX PA02000597 A 20000711; PL 36402700 A 20000711; RU 2002100912 A 20000711; SA 00210609 A 20001211; TR 200200135 T 20000711; TW 89113945 A 20000713; ZA 200200397 A 20020116