

Title (en)
METAL PHASE TRANSFER ADDITIVE COMPOSITION AND METHOD

Title (de)
VERFAHREN UND ZUSATZSTOFF FÜR PHASENTRANSFER VON METALLEN

Title (fr)
COMPOSITION ADDITIVE DE TRANSFERT DE PHASE DE METAUX ET PROCEDE

Publication
EP 1165723 A1 20020102 (EN)

Application
EP 00913766 A 20000303

Priority

- US 0005845 W 20000303
- US 12305799 P 19990305
- US 50738900 A 20000218

Abstract (en)
[origin: WO0052114A1] It has been discovered that metal-containing components can be transferred from a hydrocarbon phase to a water phase in an emulsion breaking process by using a composition which is a blend of polymers. The composition includes at least one diepoxide polymer, at least one polyol; and preferably at least one aromatic sulfonic acid. An aromatic solvent may be optionally included in the composition. The invention permits transfer of metal-containing components into the aqueous phase with little or no hydrocarbon phase undercarry into the aqueous phase. The composition is particularly useful in treating crude oil emulsions, and in removing iron-containing components therefrom.

IPC 1-7
C10G 17/00; **C10G 17/02**; **C10G 17/04**; **C10G 27/00**; **C10G 33/00**; **C10G 33/04**; **B01D 17/05**; **C09K 3/00**

IPC 8 full level
B01D 17/04 (2006.01); **C10G 33/04** (2006.01)

CPC (source: EP)
B01D 17/047 (2013.01); **C10G 33/04** (2013.01)

Citation (search report)
See references of WO 0052114A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 0052114 A1 20000908; AU 3514600 A 20000921; EP 1165723 A1 20020102

DOCDB simple family (application)
US 0005845 W 20000303; AU 3514600 A 20000303; EP 00913766 A 20000303