Title (en)
REPLENISHING COMPOSITIONS AND METHODS OF REPLENISHING PRETREATMENT COMPOSITIONS

Title (de)
REGENERIERUNGSZUSAMMENSETZUNGEN UND VERFAHREN ZUR REGENERIERUNG VON VORBEHANDLUNGSZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DE RÉGÉNÉRATEUR ET PROCÉDÉS DE RÉGÉNÉRATION DE COMPOSITIONS DE PRÉTRAITEMENT

Publication
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Application
EP 13708018 A 20130222

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Abstract (en)
[origin: WO2013126632A1] Disclosed are replenisher compositions and methods of replenishing pretreatment compositions. The methods include adding a replenisher composition to a pretreatment composition wherein the replenisher composition includes (a) a zirconium complex and also optionally includes: (b) a dissolved complex metal fluoride ion wherein the metal ion comprises a Group IIIA metal, Group IVA metal, Group IVB metal, or combinations thereof; (c) a component comprising an oxide, hydroxide, or carbonate of Group IIIA, Group IVA, Group IVB metals; or combinations thereof; and/or (d) a dissolved metal ion comprising a Group IB metal, Group IIB metal, Group VIIB metal, Group VIII metal, Lanthanide Series metal, or combinations thereof.

IPC 8 full level
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CPC (source: EP)
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