

Title (en)
METHOD FOR REDUCING CORROSIVE IONS IN AROMATIC COMPOUND EXTRACTION SOLVENT

Title (de)
VERFAHREN ZUR REDUZIERUNG VON KORROSIVEN IONEN IN EINEM LÖSUNGSMITTEL ZUR EXTRAKTION VON AROMATISCHEN VERBINDUNGEN

Title (fr)
PROCÉDÉ DE RÉDUCTION D'IONS CORROSIFS DANS UN SOLVANT D'EXTRACTION DE COMPOSÉ AROMATIQUE

Publication
EP 3406762 A4 20190828 (EN)

Application
EP 16895498 A 20161031

Priority
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• JP 2016082311 W 20161031

Abstract (en)
[origin: EP3406762A1] In order to suppress corrosion of an extractor caused by corrosive ions contained in an aromatic compound extraction solvent of a circulation system, a method for reducing corrosive ions in an aromatic compound extraction solvent is provided, by which the corrosive ions in the aromatic compound extraction solvent are conveniently and efficiently reduced. A method for reducing corrosive ions in an aromatic compound extraction solvent in a circulation system where the aromatic compound extraction solvent circulates, the corrosive ions being at least one kind selected from the group consisting of chloride ions, sulfate ions, and sulfite ions, the method comprising: a step of forming a non-volatile salt by adding a corrosive ion scavenger to react the corrosive ions with the corrosive ion scavenger, and a step of removing the salt resulting from concentrating the solvent comprising the salt.

IPC 8 full level
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CPC (source: EP KR US)
C10G 21/16 (2013.01 - EP KR US); **C10G 21/20** (2013.01 - EP KR US); **C10G 75/02** (2013.01 - EP KR US); **C23F 11/14** (2013.01 - EP US); **C23F 11/141** (2013.01 - KR); **C10G 2300/205** (2013.01 - EP US); **C10G 2300/4075** (2013.01 - EP US); **C10G 2400/30** (2013.01 - EP US)

Citation (search report)
• [XYI] US 3466345 A 19690909 - GRAFF RICHARD R DE, et al
• [XYI] US 4191615 A 19800304 - PREUSSER GERHARD [DE], et al
• [XYI] GB 1134582 A 19681127 - SHELL INT RESEARCH
• [Y] US 2006043340 A1 20060302 - KOIZUMI MASAHAZU [JP], et al
• See references of WO 2017163475A1

Cited by
EP3904489A4; US11434413B1; US11319634B2; WO2021126746A1; US11046901B1; US11345867B2

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