

Title (en)

A METHOD FOR PURIFYING A LIQUID WITH MAGNETIC AND CENTRIFUGAL FORCES

Title (de)

VERFAHREN ZUR REINIGUNG EINER FLÜSSIGKEIT MIT MAGNET- UND ZENTRIFUGALKRÄFTEN

Title (fr)

PROCÉDÉ DE PURIFICATION D'UN LIQUIDE AVEC DES FORCES MAGNÉTIQUES ET CENTRIFUGES

Publication

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Application

EP 19794890 A 20191007

Priority

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Abstract (en)

[origin: WO2020070336A1] The present disclosure pertains to a method for separating contaminants from a fluid, said method comprising the steps of: a) adding nanoparticles to a fluid comprising contaminants whereby said nanoparticles and said contaminants combine to form combined particles thus providing a fluid comprising combined particles, b) subjecting said fluid comprising combined particles to (i) a centrifuged forced flow, and (ii) a Lorentz force and/or an electrostatic force, wherein said (i) centrifuged forced flow and said (ii) Lorentz force and/or electrostatic force are arranged to allow for tuning a combined total force on said combined particles to provide - one or more separation zones wherein said combined particles are concentrated, and - one or more further separation zones wherein the fluid is depleted of said combined particles.

IPC 8 full level

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Citation (search report)

See references of WO 2020070336A1

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