

Title (en)

ION EXCHANGE RESIN WITH CHELATING PROPERTIES, PROCESS OF PRODUCTION AND USES THEREOF

Title (de)

IONENAUSTAUSCHERHARZ MIT CHELATEIGENSCHAFTEN, VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN SOWIE VERWENDUNGEN DIESER HARZES

Title (fr)

RÉSINE ÉCHANGEUSE D'IONS À PROPRIÉTÉS CHÉLATANTES, SON PROCÉDÉ DE PRÉPARATION ET SES UTILISATIONS

Publication

EP 2928604 A1 20151014 (FR)

Application

EP 13801541 A 20131203

Priority

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- EP 2013075406 W 20131203

Abstract (en)

[origin: WO2014086788A1] The invention relates to an ion exchange resin having chelating properties that is obtained by polycondensation in a base medium: - of at least a first chelating phenol monomer that has the following general formula (I): in which m = 0, 1, 2 or 3; n = 0, 1 or 2; R1, R2, R3, R4, R5 represent H, an -OH, C1 to C10 alkyl or alkoxy, aryl, -SO3H, or -COOR group, where R = H or C1 to C10 alkyl, -P(O)(OR)(OR') or -C(O)NRR' where R and R' = H and/or C1 to C10 alkyl; with the condition that at least one of R1 to R5 = -OH and at least two of R1 to R5 = H; - of at least a second phenol monomer, that does not have the general formula (I); and - of formaldehyde. The invention also relates to a method for preparing this resin and the uses of said resin. Applications: decontamination of caesium and/or strontium in an aqueous medium, in particular in the nuclear industry.

IPC 8 full level

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Citation (search report)

See references of WO 2014086788A1

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