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(54) Title (EN): WATER TREATMENT METHOD AND WATER TREATMENT DEVICE

(54) Title (FR): PROCÉDÉ DE TRAITEMENT D'EAU ET DISPOSITIF DE TRAITEMENT D'EAU

(54) Title (JA): 水処理方法および水処理装置

(57) Abstract:

(EN): Provided are a water treatment method and water treatment device that can suppress occlusion of a clarification membrane while at the same time suppressing degradation of treated water quality in treatment using a clarification membrane for water to be treated that includes macromolecular organic matter with weight average molecular weights in a range of 100,000 - 30,000,000. The water treatment method includes a clarification step for treating water to be treated that includes macromolecular organic matter with weight average molecular weights in a range of 100,000 - 30,000,000 using a clarification membrane, and adds a cationic polymer with a weight average molecular weight of 30,000 - 3,000,000 to the water to be treated.

(FR): L'invention concerne un procédé de traitement d'eau et un dispositif de traitement d'eau qui peuvent inhiber l'occlusion d'une membrane de clarification tout en inhibant en même temps la dégradation de la qualité de l'eau traitée dans le traitement à l'aide d'une membrane de clarification pour l'eau à traiter qui comprend une matière organique macromoléculaire ayant des poids moléculaires moyens dans une plage de 100 000 à 30 000 000. Le procédé de traitement d'eau comprend une étape de clarification pour traiter l'eau qui comprend une matière organique macromoléculaire ayant des poids moléculaires moyens en poids dans une plage de 100 000 à 30 000 000 à l'aide d'une membrane de clarification, et ajoute un polymère cationique ayant un poids moléculaire moyen de 30 000 à 3 000 000 à l'eau à traiter.

(JA): 重量平均分子量が100,000以上30,000,000以下の範囲の高分子有機物を含む被処理水の除濁膜を用いる処理において、処理水質の悪化を抑制しつつ、除濁膜の閉塞を抑制することができる水処理方法および水処理装置を提供する。重量平均分子量が100,000以上30,000,000以下の範囲の高分子有機物を含む被処理水を、除濁膜を用いて処理する除濁工程を含み、被処理水に重量平均分子量が30,000以上かつ3,000,000以下の範囲のカチオンポリマを添加する、水処理方法である。

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