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(54) Title (EN): EASILY DEHYDRATABLE WATER-ABSORBENT RESIN PARTICLES AND PRODUCTION METHOD THEREOF

(54) Title (FR): PARTICULES DE RÉSINE ABSORBANT L'EAU FACILEMENT DÉSHYDRATABLES ET LEUR PROCÉDÉ DE PRODUCTION

(54) Title (JA): 脱水処理が容易な吸水性樹脂粒子及びその製造方法

(57) Abstract:
(EN): Provided are: water-absorbent resin particles which have excellent water-absorbent characteristics in normal use and are easily dehydratable after use; a production method thereof; and a method for treating a sanitary article. The present invention relates to water-absorbent resin particles, a sanitary article including the same, and a method for treating the sanitary article, the water-absorbent resin particles containing a cross-linked polymer (A) having, as essential constituent units: a water-soluble vinyl monomer (a1) and/or a vinyl monomer (a2) which becomes the water-soluble vinyl monomer (a1) through hydrolysis; and an internal cross-linking agent (b), wherein the water separation ratio represented by the following equation is 70% or more. Water separation ratio [%] = {1-(water retaining amount after treating with 1.0 wt% of calcium chloride aqueous solution [g/g])/(water retaining amount with respect to physiological saline [g/g])}×100

(FR): La présente invention concerne des particules de résine absorbant l'eau qui présentent d'excellentes caractéristiques d'absorption de l'eau en utilisation normale et qui sont facilement déshydratables après utilisation ; un procédé de production de

celles-ci ; et un procédé de traitement d'un article d'hygiène. La présente invention concerne des particules de résine absorbant l'eau, un article d'hygiène les comprenant, et un procédé de traitement de l'article d'hygiène, les particules de résine absorbant l'eau contenant un polymère réticulé (A) ayant, en tant que motifs constitutifs essentiels : un monomère de vinyle soluble dans l'eau (a1) et/ou un monomère de vinyle (a2) qui devient par hydrolyse le monomère de vinyle soluble dans l'eau (a1) ; et un agent de réticulation interne (b), le rapport de séparation aqueuse représenté par l'équation suivante étant de 70 % ou plus. Rapport de séparation aqueuse [%] = {1-(quantité de rétention d'eau après traitement avec 1,0 % en poids de solution aqueuse de chlorure de calcium [g/g])/(quantité de rétention d'eau par rapport au sérum physiologique [g/g])}×100

(JA): 通常の使用時に良好な吸収特性を有し、かつ使用後の脱水処理が容易な吸水性樹脂粒子、その製造方法及び衛生用品の処理方法を提供する。本発明は、水溶性ビニルモノマー(ａ１)及び／又は加水分解により水溶性ビニルモノマー(ａ１)となるビニルモノマー(ａ２)並びに内部架橋剤(ｂ)を必須構成単位とする架橋重合体(Ａ)を含有し、下記式で示される離水率が７０％以上である吸水性樹脂粒子及びこれを含む衛生用品、該衛生用品を処理する方法である。 離水率[%]={１-(１.０重量％塩化カルシウム水溶液処理後の保水量[ｇ／ｇ])／(生理食塩水に対する保水量[ｇ／ｇ])}×１００

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