

Title (en)
ENVELOPING MEMBRANE FOR DISCHARGING AN ENCLOSED AGENT, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF

Title (de)
HÜLLENMEMBRAN ZUR ABGABE EINES EINGESCHLOSSENEN WIRKSTOFFS, EIN VERFAHREN ZUR HERSTELLUNG SOWIE DEREN VERWENDUNG

Title (fr)
MEMBRANE D'ENVELOPPE DESTINÉE À LIBÉRER UN AGENT ENCAPSULÉ, PROCÉDÉ DE FABRICATION ET UTILISATION

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Abstract (en)
[origin: WO2007087883A1] The invention relates to an enveloping membrane for discharging an enclosed agent in an aqueous medium. The aqueous solution of an oxidizing chlorine-oxygen compound is enclosed in said enveloping membrane which is insoluble in a neutral aqueous medium. In an advantageous embodiment, the enveloping membrane represents a capsule structure, particularly according to the core/shell principle. The core has a spongy, moist structure and contains the aqueous solution of an oxidizing chlorine-oxygen compound while the shell is water-insoluble and is provided with pores to discharge the chlorine-oxygen compound over an extended period of time, particularly in an aqueous medium. The enveloping membrane is suitable foremost for disinfecting and purifying/cleaning liquids and substrate surfaces, especially in the form of fabrics, filter materials, membranes, gaps, joints, and/or filling elements, for disinfecting water, particularly drinking water and bath water, and filter materials, where the inventive enveloping membrane discharges the agent into the medium or onto the substrate that is to be treated for an extended period of time, especially in a continuous and metered form.

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