

Title (en)

A PROCESS FOR DE-INKING PAPER PULP.

Title (de)

VERFAHREN ZUM DE-INKEN EINER PAPIERMASSE.

Title (fr)

PROCEDE DE DESENCRAGE DE LA PATE A PAPIER.

Publication

EP 0020601 A1 19810107 (EN)

Application

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Priority

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Abstract (en)

[origin: WO8001085A1] The de-inking of paper pulp is rendered more efficient and capable of producing a high quality recycled paper for printing purposes by the addition of surfactants having a chemical character similar to surfactants naturally present in the pulp. The surfactants may be in the form of hemicellulose which include polysaccharides and a small proportion of side-chain carboxyl groups. Methods for the manufacture of artificial surfactants similar to the surfactants present in the pulp are described, such as surfactants being copolymers made for example from vinyl acetate and acrylic or maleic acid, the conversion being completed by transesterification with methanol in the presence of sodium methoxide.

Abstract (fr)

Le desencrage de la pate a papier est rendu plus efficace et permet de produire un papier recycle de haute qualite pour des besoins d'impression par l'addition d'agents tensio-actifs ayant un caractere chimique similaire a celui des agents tensio-actifs presents naturellement dans la pate. Les agents tensio-actifs peuvent etre sous la forme d'hemicelluloses qui comprennent des polysaccharides et une faible proportion de chaines laterales a groupes carboxyles. Des procedes pour la preparation d'agents tensio-actifs similaires aux agents tensio-actifs presents dans la pate sont decrits, de tels agents tensio-actifs etant des copolymeres prepares, par exemple, a partir d'acetate de vinyle et d'acide maleique ou acrylique la conversion etant completee par transesterification avec du methanol en presence de methoxyde de sodium.

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