

Title (en)

IMPROVED DEINKING METHOD USING INK AGGLOMERATION

Title (de)

VERBESSERTES DEINKING-VERFAHREN DURCH TINTEN-AGLLOMERATION

Title (fr)

PROCEDE PERFECTIONNE DE DESENCRAGE PAR AGGLOMERATION DE L'ENCRE

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Application

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Abstract (en)

[origin: WO9504187A1] Deinking of printed paper is accomplished by defibering printed wastepaper (1) to produce a pulp medium and contacting the pulp medium with an aqueous medium containing a deinking chemical (2) wherein the presence of the deinking chemical causes agglomeration of ink particles to produce an ink pulp medium. Agglomerated ink particles are removed from the ink pulp medium by size (3) and density (4) separation procedures to produce a substantially ink-free pulp medium. The invention provides improved deinking processes with high ink removal from printed paper by more effective agglomeration of ink particles through separation of defibering and agglomeration actions which are subject to different chemical and physical requirements.

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