

Title (en)

IMPROVED DEINKING METHOD USING INK AGGLOMERATION

Title (de)

VERBESSERTES DEINKING-VERFAHREN DURCH TINTEN-AGGLOMERATION

Title (fr)

PROCEDE PERFECTIONNE DE DESENCRAGE PAR AGGLOMERATION DE L'ENCRE

Publication

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Application

EP 94924565 A 19940802

Priority

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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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D21C 5/02

IPC 8 full level

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CPC (source: EP)

D21C 5/025 (2013.01); **Y02W 30/64** (2015.05)

Citation (search report)

- [Y] EP 0510954 A1 19921028 - BETZ EUROP INC [US]
- [Y] WO 9307331 A1 19930415 - INT PAPER CO [US]
- See references of WO 9504187A1

Designated contracting state (EPC)

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