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(54) Title: DEINKING OF WASTE PAPER

(57) Abstract: In the production of pulp and paper from starch-containing paper, the deinking effect can be improved by including treatment with both a starch-degrading enzyme and a pectate lyase. The process comprises enzyme treatment during or after disintegration of the paper to produce pulp, followed by separation of ink particles.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK 02/00230

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21C 5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9514807 A1 (NOVO NORDISK A/S), 1 June 1995 (01.06.95), claims 1-21 --	1-20
Y	WO 9808940 A1 (NOVO NORDISK A/S), 5 March 1998 (05.03.98), page 59, line 31 - page 60, line 5, claims 47,50 --	1-20
A	WO 0015899 A1 (NOVO NORDISK BIOCHEM NORTH AMERICA, INC.), 23 March 2000 (23.03.00), page 6, line 31 - page 8, line 3 --	1-20

 Further documents are listed in the continuation of Box C.
 See patent family annex.

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"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6124127 A (LENE NONBOE ANDERSEN ET AL), 26 Sept 2000 (26.09.00), column 2, line 5 - line 10; column 3, line 20 - line 24 --	1-20
A	US 5785809 A (STEVEN SAY-KYOUNG ET AL), 28 July 1998 (28.07.98), claims 1,5 -- -----	1-20

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