

Title (en)

Cellulosic, modified lignin and cationic polymer composition and process for making improved paper or paperboard

Title (de)

Modifiziertes Lignin und kationisches Polymer enthaltende Zellulosezusammensetzung und Verfahren zur Herstellung von Papier oder Karton

Title (fr)

Composition cellulosique à base de lignine modifiée et d'un polymère cationique et procédé amélioré pour fabriquer du papier ou du carton

Publication

**EP 0628658 B1 19971217 (EN)**

Application

**EP 94303673 A 19940523**

Priority

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- US 6925893 A 19930528

Abstract (en)

[origin: EP0628658A1] A composition comprising an aqueous cellulosic furnish, a high molecular weight cationic polymer, and a modified lignin wherein the ratio of the cationic polymer to the modified lignin is from about 10:1 to 1:10 on an active basis is disclosed. A process employing this composition for making paper or paperboard having improved drainage, retention and formation properties is also provided.

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CPC (source: EP)

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Citation (examination)

- US 3180787 A 19650427 - ADAMS JAMES W
- US 4913775 A 19900403 - LANGLEY JOHN [GB], et al

Cited by

EP0866095A1; EP1659220A3; WO2023031667A1

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