

Title (en)

USE OF POLYIMIDE AMINE SALTS AS CATIONIC PAPER SURFACE SIZING AGENTS

Publication

EP 0000706 B1 19810401 (DE)

Application

EP 78100381 A 19780712

Priority

DE 2732851 A 19770721

Abstract (en)

[origin: EP0000706A1] 1. The use of salts of organic or inorganic acids with polyimide amines obtained from copolymers of maleic anhydride with hydrocarbon monomers and a mixture of A) a diamine having a tertiary and a primary amino group, and B) ammonia or a primary monoamine as surface sizing agents for paper, characterised in that they are derived from copolymers of maleic anhydride and 2,4,4-trimethyl-1-pentene having average molecular weights of 8,000 to 500,000 and are prepared from these copolymers by reaction with the amine mixture in an anhydrous organic medium at temperatures of 0 degree C to 200 degrees C, the molar ratio of diamine A) to ammonia or monoamine B) being 1:0.3 to 1:2.0 and at least 80% of the anhydride groups having been converted into the corresponding imide groups.

IPC 1-7

D21H 3/40; **C08F 222/06**; **C08F 8/32**

IPC 8 full level

C08F 8/32 (2006.01); **C08F 222/06** (2006.01); **D21H 17/45** (2006.01); **D21H 17/56** (2006.01); **D21H 19/24** (2006.01); **C08F 210/14** (2006.01)

CPC (source: EP)

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C-Set (source: EP)

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EP 0000706 A1 19790221; **EP 0000706 B1 19810401**; AT A522478 A 19810415; CA 1119758 A 19820316; DE 2732851 A1 19790208; DE 2860576 D1 19810423; IT 7850367 A0 19780719; JP S5423709 A 19790222

DOCDB simple family (application)

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