

Title (en)

Utilisation of hydroxybenzotriazoles for increasing the sun-ray filter index of fibrous cellulosic materials

Title (de)

Verwendung von Hydroxybenzotriazolen zur Erhöhung des Sonnenschutzfaktors von cellulosehaltigen Fasermaterialien

Title (fr)

Utilisation d'hydroxybenzotriazoles pour l'augmentation de l'indice de protection solaire de matériaux fibreux cellulosiques

Publication

EP 0708197 A3 19960828 (DE)

Application

EP 95810591 A 19950920

Priority

- CH 295294 A 19940929
- US 53452395 A 19950927

Abstract (en)

[origin: EP0708197A2] Use is claimed of hydroxybenzotriazoles of formula (I) in increasing the sun protection factor of cellulose-fibres. R1 and R2 = H, 1-4C alkyl or alkoxy, halogen, OH, NO2, sulpho or carboxy; R3 = H or 1-4C alkyl opt. substd. by 1-4C alkoxy, halogen, OH, sulpho, CN, carboxy, 1-4C alkylcarbonyloxy, 1-4C alkoxy carbonyl, carbamoyl or sulphamoyl; A = phenylene or naphthylene (each opt. substd. by 1-4C alkyl or alkoxy, sulpho or halogen), or 1-12C alkylene (opt. substd. by halogen, OH, CN, sulphato, carboxy, 1-5C alkoxy carbonyl, 1-4C alkanoyloxy or carbamoyl and opt. interrupted with -O- or -NR'-(R'=H or 1-6C alkyl) from C2 and opt. branched from C3 and opt. with R' forming a ring with the alkylene); B = -O- or -N(R4)-(R4 = H or 1-4C alkyl) or forms a gp.-(CH2)n-NH- (where n = 1-4) over the N in the triazine ring; X= Cl; F; pyridyl opt. substd. by halogen, sulpho, carboxy, carbamoyl or 1-4C alkyl, the alkyl itself opt. being substd. by OH or sulpho; -NR5R6 with R5 and R6 = H, 1-4C alkyl (opt. substd. by 1-4C alkoxy, Cl, OH, sulph(at)o, carboxy or phenyl), phenyl (opt. substd. by 1-4C alkyl or alkoxy, halogen, sulpho or carboxy), naphthyl (opt. substd. by 1-4C alkyl or alkoxy, Cl, OH, sulpho or carboxy) or benzyl (opt. ring-substd. by 1-4C alkyl or alkoxy, Cl or sulpho); or -OR7 with R7 as per R5 and R6; and Z = vinyl or beta-haloethyl, -sulphatoethyl, -thiosulphato-ethyl, -phosphato-ethyl, or -acetoxylethyl.

IPC 1-7

D06M 13/473; **D06M 13/477**

IPC 8 full level

D06M 13/35 (2006.01); **D06M 13/358** (2006.01); **D06P 1/642** (2006.01)

CPC (source: EP US)

D06M 13/35 (2013.01 - EP US); **D06M 13/358** (2013.01 - EP US); **D06P 1/6426** (2013.01 - EP US)

Citation (search report)

- [DA] WO 9404515 A1 19940303 - RAPELLE PTY LIMITED [AU], et al
- [A] EP 0388356 A2 19900919 - CIBA GEIGY AG [CH]

Cited by

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Designated contracting state (EPC)

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