

Title (en)

Paper making shoe press belt

Title (de)

Schuhpressband zur Papierherstellung

Title (fr)

Courroie de presse à sabot pour la fabrication de papier

Publication

EP 2623667 B1 20150408 (EN)

Application

EP 13000525 A 20130201

Priority

JP 2012020045 A 20120201

Abstract (en)

[origin: EP2623667A1] A paper making shoe press belt includes a reinforcing fiber substrate (6) and a polyurethane laminate. The reinforcing fiber substrate (6) is embedded in at least one layer (21, 22) of the polyurethane laminate. At least one layer (21, 22) of the polyurethane laminate includes a polyurethane obtained by heat-curing a urethane prepolymer together with a mixed curing agent. The urethane prepolymer includes a terminal isocyanate group and is obtained by reacting a diisocyanate compound and a long-chain polyol. The diisocyanate compound includes at least one of toluene-diisocyanate, diphenylmethane-diisocyanate, and paraphenylene-diisocyanate. The mixed curing agent includes 70-99.5 mol % of dimethylthiotoluenediamine and 0.5-30 mol% of a curing agent. The curing agent includes at least one of 4,4'-methylenebis(2,6-diethyl-3-chloroaniline), 4,4'-methylenedianiline, and 1,4-butanediol. An equivalent ratio of active hydrogen groups of the mixed curing agent to isocyanate groups of the urethane prepolymer is from 1.02 to 1.15.

IPC 8 full level

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CPC (source: EP US)

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