

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 2623668 A1 20130807 (EN)

Application

EP 13000526 A 20130201

Priority

JP 2012020044 A 20120201

Abstract (en)

A paper making shoe press belt includes a reinforcing fiber substrate and a polyurethane laminate. The reinforcing fiber substrate is embedded in at least one layer of the polyurethane laminate. At least one layer 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 diethyltoluenediamine and hydroquinone bis (2-hydroxyethyl) ether. 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

D21F 3/02 (2006.01)

CPC (source: EP US)

D21F 3/0227 (2013.01 - EP US)

Citation (applicant)

- JP H11247086 A 19990914 - ICHIKAWA WOOLEN TEXTILE
- EP 2284314 A1 20110216 - ICHIKAWA CO LTD [JP]

Citation (search report)

[X] EP 2284314 A1 20110216 - ICHIKAWA CO LTD [JP]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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