Title (en)

Method of seam closure for sheet transfer and other paper processing belts

Title (de)

Verfahren zum Schliessen des Saums von Überführungs- und anderen Papierbehandlungsbändern

Title (fr)

Procédé de jonction de bandes de transfert et autres bandes pour le traitement du papier

Publication

EP 0695827 B1 20040915 (EN)

Application

EP 95303854 A 19950606

Priority

- US 25756594 A 19940609
- US 42866195 A 19950425

Abstract (en)

[origin: EP0695827A2] A loop-and-pintle seam in a paper-processing belt (72) having a polymeric-resin coating (68) is closed by covering the seam on the uncoated side with an encapsulating material, so that the seam area (50) has compression properties substantially identical to those of the remainder of the belt. After installing the belt (72) and closing the pin seam with a pintle (76), the seam region (50) is impregnated on the non-paper side with a viscous paste comprising a polymeric-resin material and a blowing agent. The paste is heated to create a foam that fills the voids in the seam region (50) and the slit (78) in the coating (68), before being cured. Alternatively, a solid foam strip (88) of a polymeric resin may be glued to the seam region (50). The belt may be used as a transfer or long-nip-press (LNP) belt. <MATH>

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D21F 1/00; D21F 7/10

IPC 8 full level

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CPC (source: EP)

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Cited by

US7651728B2; EP1930498A1; EP0960975A3; EP2157235A1; EP0877119A3; AU2003232915B2; US7931781B2; EP0969143A3; US6060161A; US6712100B2; US7776187B2; US9012341B2; US7014733B2; WO2014143365A1; WO2008113195A1; WO0235000A1; WO2007013631A1; US8241465B2; US10696008B2; US8075739B2; US8092652B2; WO2004005612A1; WO2004067996A1; US7686923B2; US6212739B1; US7951269B2; US8118979B2; US8236140B2; US8608909B2; WO9819077A1; WO9725474A1

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