

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

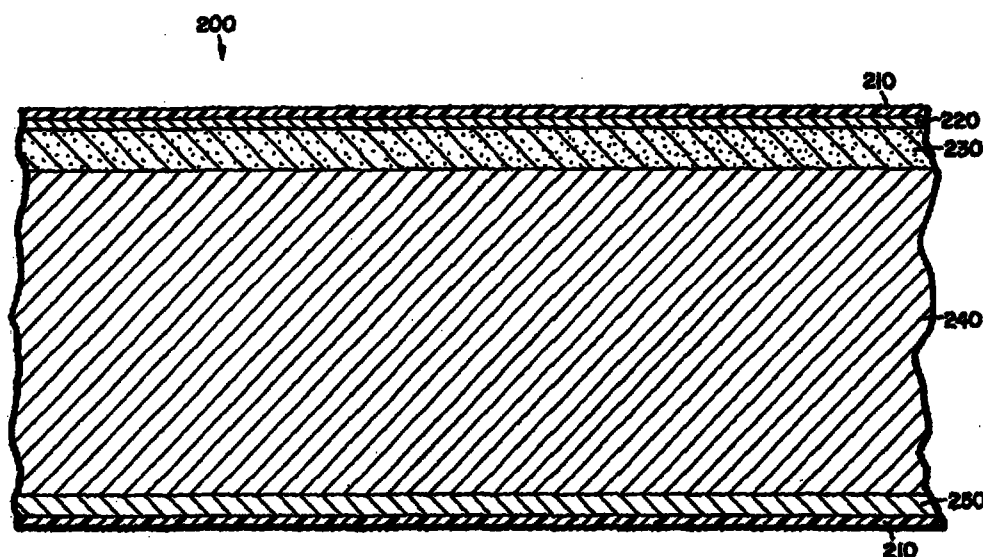
(51) International Patent Classification ⁷ : B32B 23/08, D21H 19/84	A1	(11) International Publication Number: WO 00/01527
		(43) International Publication Date: 13 January 2000 (13.01.00)

(21) International Application Number: PCT/US99/08017

(22) International Filing Date: 13 April 1999 (13.04.99)

(30) Priority Data:
09/111,263 6 July 1998 (06.07.98) US(71) Applicant: CELLRESIN TECHNOLOGIES, LLC [US/US];
4567 West 80th Street, Minneapolis, MN 55437 (US).(72) Inventors: WOOD, Willard, E.; 3470 Siems Court, Arden
Hills, MN 55112 (US). BEAVERSON, Neil, J.; 5809 147th
Street North, Hugo, MN 55038 (US).(74) Agent: DAIGNAULT, Ronald, A.; Merchant, Gould, Smith,
Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90
South Seventh Street, Minneapolis, MN 55402-4131 (US).(81) Designated States: BR, CA, CN, JP, KR, MX, SG, European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
IE, IT, LU, MC, NL, PT, SE).**Published**
With international search report.

(54) Title: CELLULOSIC WEB WITH A PERMEANT BARRIER OR CONTAMINANT TRAP



(57) Abstract

Nonwoven cellulosic fiber webs including, paperboards and corrugated paperboard, etc., are described containing a barrier layer (250) that can act both as a barrier to the passage of a permeant and as a trap for contaminant materials that can arise in new materials or from the recycle of fiber in the manufacture of paperboard. The effective material which acts as a trap or barrier is a cyclodextrin compound, substantially free of an inclusion complex compound. The cyclodextrin barrier layer (250) can be corrugated or sheet laminated with or on the cellulosic web (240). Alternatively, the cyclodextrin material can be included in a coating composition that is coated (210) on the surface or both surfaces of the cellulosic web (240) after web formation. Further, the cyclodextrin material can be included in a thermoplastic film that can be used as one layer in a bilayer or multilayer laminate containing a cellulosic web (240).