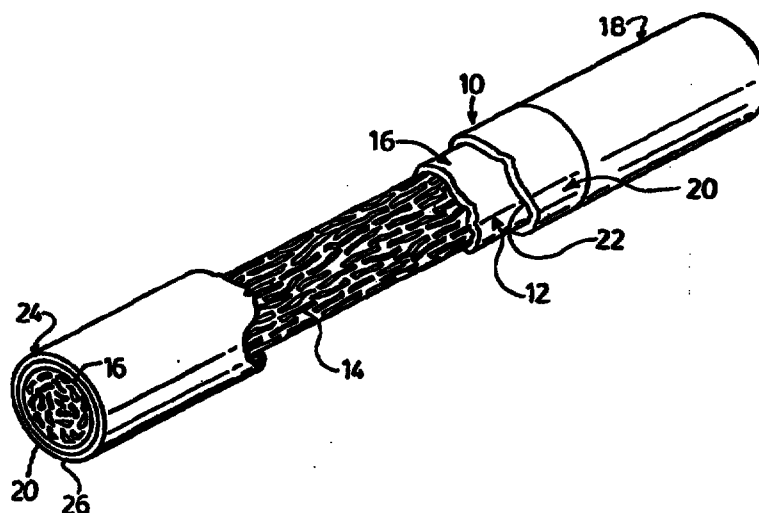


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A24D 1/00, A24F 13/00, A24D 1/02		A2	(11) International Publication Number: WO 99/53778
			(43) International Publication Date: 28 October 1999 (28.10.99)
(21) International Application Number: PCT/CA99/00334		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 16 April 1999 (16.04.99)			
(30) Priority Data: 09/061,222 16 April 1998 (16.04.98) US			
(71) Applicant: ROTHMANS, BENSON & HEDGES INC. [CA/CA]; 1500 Don Mills Road, North York, Ontario M3B 3L1 (CA).			
(72) Inventors: BOWEN, Larry; R.R. #2, Orangeville, Ontario L9W 2Y9 (CA). SNAIDR, Stanislav, M.; 4155 Sharonton Court, Mississauga, Ontario L5L 1Y9 (CA). BECKER, E., Robert; 808 Maple Glen Lane, Wayne, PA 19087 (US). BRACKMANN, Warren, A.; R.R. #1, Box 137, Highway 54 and J, Collins, MO 64738 (US).			
(74) Agent: WOODLEY, John, H.; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA).		Published <i>Without international search report and to be republished upon receipt of that report.</i>	

(54) Title: CIGARETTE SIDESTREAM SMOKE TREATMENT MATERIAL



(57) Abstract

A cigarette sidestream smoke treatment material made from a sheet of non-combustible active components provides a porous structure capable of treating sidestream smoke. The treatment material, as used in combination with a cigarette, provides a low sidestream smoke emitting cigarette unit. The material has a porosity which encourages a conventional free-burn rate of a conventional cigarette. The material may comprise a sorbent capable of sorbing components of the sidestream smoke, and an oxygen storage component which releases oxygen at free-burn rate temperatures to ensure that conventional free-burn rate is maintained and to enhance the oxidation treatment of the adsorbed non-aqueous components. Preferably, an oxidation catalyst is included in the material and most desirably the oxygen storage component may also function as the oxidation catalyst. Particularly preferred materials which perform the dual function are oxides of cerium.