(11) Publication number:

0 149 880

A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 84303485.1

(51) Int. Cl.4: D 04 H 1/64

22 Date of filing: 23.05.84

30 Priority: 26.05.83 CA 428956

(43) Date of publication of application: 31.07.85 Bulletin 85/31

(88) Date of deferred publication of search report: 16.07.86

(84) Designated Contracting States: BE CH DE FR GB IT LI NL SE 71 Applicant: POLYSAR LIMITED

Sarnia Ontario N7T 7M2(CA)

(72) Inventor: Kwok, John Chi-Hee 481 Banbury Avenue Sarnia Ontario(CA)

(74) Representative: Jukes, Herbert Lewis et al, Swann, Elt & Company 31 Beaumont Street Oxford OX1 2NP(GB)

(5) A non-woven web of synthetic fibre(s) is characterised by consolidating (optionally impregnating) the web (optionally a dry web) with a binder (optionally a sole binder) substantially comprising a polymer or a latex, provided by polymerizing:

from about 42 to about 68 parts by weight of a monoaromatic vinyl or vinylidene monomer which may be unsubstituted or substituted by a C₁₋₄ alkyl radical, or a chlorine or bromine atom;

from about 30 to about 58 parts by weight of a $C_{4\!-\!8}$ conjugated diolefin (preferably a $C_{4\!-\!6}$ conjugated diolefin); and

from about 0.5 to about 8.0 parts by weight of a $\rm C_{3-6}$ ethylenically unsaturated monocarboxylic acid. The resultant web can have improved tensile strength in a cross machine direction.

The resulting non-woven fabric can be used for making disposable sheets, laboratory coats or cover stock for disposable diapers.

Non-woven webs of synthetic fibres consolidated by means of carboxylated styrene-butadiene latices, and disposable articles made therefrom.

Application number



EUROPEAN SEARCH REPORT

EP 84 30 3485

			Relevant	CLASSIFICATION OF THE
Category	of releva	nt passages	to claim	APPLICATION (Int. Cl. 3)
D,Y	US-A-3 256 234 LATEX) * Claims 1,2 *	(INTERNATIONAL	1,8,9	D 04 H 1/6 C 08 L 13/0
Y	GB-A- 873 876 * Claims 1-3; ex	•	1,8,9	
A	US-A-4 069 188 * claims 1,3 *	(RHONE-POULENC)	1,8,9	
A	FR-A-1 597 886 * Summary I; pag	(HÜLS) e 3, lines 5-18 * -	1,8,9	
A	GB-A-1 191 640 * Claims 1,3,5 *		1,8,9	
A	GB-A- 969 115 * Claims 1,8,13		1,8,9	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	GB-A-1 510 672 * Claims 1,4 *	(BAYER)	1,8,9	D 04 H C 08 L
		~		
	The present search report has be	een drawn up for all claims		
Place of search THE HAGUE Date of completion of the sear 14-04-1986		Date of completion of the search 14-04-1986	CATTOIRE V.A.	
Y:p	CATEGORY OF CITED DOCU articularly relevant if taken alone articularly relevant if combined wi ocument of the same category echnological background	E : earlier p after the	r principle underl atent document, I filing date nt cited in the app nt cited for other	ying the invention but published on, or olication reasons