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54 **Formaldehyde-free vinyl acetate/ethylene/N-acryl-amidoglycolic acid copolymers useful as non-woven binders.**

57 A copolymer binder emulsion prepared by the copolymerization of vinyl acetate, 1 to 30 wt% ethylene and 0.5 to 15 wt% acrylamidoglycolic acid. Nonwoven fabrics bonded with such copolymers possess properties comparable to that obtained using N-methylolacrylamide-containing copolymers but without the emission of formaldehyde.



DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
D,A	EP-A-0 019 169 (BASF) * Claims 1-6; page 3, line 1 - page 9, line 3; example 4 *	1,3-9, 11,12, 14-20, 22	D 04 H 1/64
A	--- US-A-3 498 875 (M.K. LINDEMA et al.) * Claims 1,2; column 2, line 17 - column 7, line 22 *	1,2,6,9 ,10,12, 13,17	
A	--- US-A-4 449 978 (J.G. IACOVIELLO) * Claims 1,5,12-14; column 2, line 29 - column 8, line 17; example 1 *	1,2,9, 10,12, 13,19, 20	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

D 04 H

The present search report has been drawn up for all claims

Place of search THE HAGUE	Date of completion of the search 07-04-1989	Examiner BLASBAND I.
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CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
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