

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 461 758 A3**

(12)

**EUROPEAN PATENT APPLICATION**(21) Application number: **91304220.6**(51) Int. Cl.<sup>5</sup>: **D06N 7/00, C04B 26/04,  
C08L 25/10, C08L 9/08**(22) Date of filing: **10.05.91**(30) Priority: **13.06.90 US 539409**(43) Date of publication of application:  
**18.12.91 Bulletin 91/51**(84) Designated Contracting States:  
**BE CH DE ES FR GB IT LI LU NL SE**(88) Date of deferred publication of the search report:  
**19.08.92 Bulletin 92/34**(71) Applicant: **GENCORP INC.**  
**175 Ghent Road**  
**Fairlawn, Ohio 44333-3300(US)**(72) Inventor: **Neubert, Terry C.**  
**5153 Sunnybrook Road**  
**Kent, Ohio 44240(US)**(74) Representative: **Stoner, Gerard Patrick et al**  
**Mewburn Ellis 2 Cursitor Street**  
**London EC4A 1BO(GB)**(54) **Compositions and flooring materials using them.**

(57) A flooring felt composition comprises a fibre material such as cellulose or wood fibers, a synthetic rubber latex binder, fillers, and antioxidants. The binder is a latex copolymer made from a vinyl substituted aromatic monomer, a conjugated diene monomer, an unsaturated acid monomer, and a functional cross-linking agent other than said acid monomer. The flooring felt is useful as a backing for linoleum, floor tile, and the like. Heat resistance of the felt is improved by excluding acrylic and methacrylic acids from the unsaturated acid monomer.

**EP 0 461 758 A3**



European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 91 30 4220

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.5)
P,X	EP-A-0 426 280 (GENCORP INC.) * claims 1-6 * * page 1, line 9 - page 1, line 12 * ---	1-14	D06N7/00 C04B26/04 C08L25/10 C08L9/08
A	US-A-4 225 383 (K.B.MCREYNOLDS) * claims 1,6,12,13 * * column 2, line 18 - line 19 * ---	1	
A	US-A-4 810 329 (J.D.CAMISA) * claim 1 * ---	1	
A	CHEMICAL ABSTRACTS, vol. 102, no. 6, 1984, Columbus, Ohio, US; abstract no. 46992C, 'BINDER FOR MANUFACTURING SHEETS' & JP-A-59126000 (JAPAN SYNTHETIC RUBBER) 20-7-84 * abstract * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D06N C08L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 JUNE 1992	Examiner VAN HUMBEECK F.
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category 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 D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			