

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) Publication number:

**0 365 502 A3**

(12)

## EUROPEAN PATENT APPLICATION

(21) Application number: **89850344.6**

(51) Int. Cl.<sup>5</sup>: **C09D 17/00, D21H 19/40**

(22) Date of filing: **11.10.89**

(30) Priority: **20.10.88 FI 884843**

(43) Date of publication of application:  
**25.04.90 Bulletin 90/17**

(84) Designated Contracting States:  
**AT CH DE FR GB IT LI NL SE**

(88) Date of deferred publication of the search report:  
**02.01.92 Bulletin 92/01**

(71) Applicant: **FINNMINERALS OY**  
**Fabianinkatu 9 A**  
**SF-00130 Helsinki(FI)**

(72) Inventor: **Ahonen, Pertti Kalevi**  
**Pojutie 4A**  
**SF-00980 Helsinki(FI)**  
Inventor: **Huovinen, Mauno Sakari**  
**Oinaalantie 14 as. 8**  
**SF-42300 Jämsäkoski(FI)**

(74) Representative: **Roth, Ernst Adolf Michael et al**  
**GÖTEBORGS PATENTBYRA AB Box 5005**  
**S-402 21 Göteborg(SE)**

(54) **Method for producing a pigment mix for coating paper.**

(57) The invention concerns a method for preparing a pigment mix to be used in the coating of a paper web, in which method a water slurry is prepared containing talc and at least one other component of the coating mix such as calcined clay or calcined talc. The invention is characterized by first dispersing talc into a water slurry and thereafter mixing the second component of the coating mix in dry form into the talc slurry prepared in the first stage. This kind of a direct mixing method results in a pigment mix allowing preselected opacity and printability values of the paper to be attained using an appreciably lower proportion of the second component, such as calcined clay or calcined talc, in the mix.

**EP 0 365 502 A3**



European  
Patent Office

## EUROPEAN SEARCH REPORT

Application Number

**EP 89 85 0344**

### 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)
A	WO-A-8 504 344 (MYLLYKOSKI OY) * page 3, line 21 - line 22; claim 8; examples 1,2,5 ** - - -	1-7	C 09 D 17/00 D 21 H 19/40
A	TAPPI JOURNAL. vol. 68, no. 11, November 1985, ATLANTA US pages 92 - 97; PERTTI AHONEN: 'Talc as a coating pigment in lightweight coated papers' * page 92, column 2, paragraph 5 ** - - -	1-7	
A	FR-A-1 505 799 (COMBINED PAPER MILLS INC.) * page 3, column 1 ** - - - - -	1-7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 09 D D 21 H
Place of search		Date of completion of search	Examiner
The Hague		30 October 91	REEDIJK A.M.E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
Y : particularly relevant if combined with another document of the same category		D : document cited in the application	
A : technological background		L : document cited for other reasons	
O : non-written disclosure		-----	
P : intermediate document		& : member of the same patent family, corresponding document	
T : theory or principle underlying the invention			