

Title (en)
PAPER PRODUCTS COMPRISING FILLER MATERIALS

Title (de)
FÜLLMATERIAL ENTHALTENDE PAPIERPRODUKTE

Title (fr)
PRODUITS DE PAPIER A MATIERES DE CHARGE

Publication
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Application
EP 98936851 A 19980717

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Abstract (en)
[origin: WO9904092A1] Composite products having mineral networks polymerized about cellulosic material and a method for making such products are described. One embodiment of the composite product comprises a paper product having a polymerized mineral network, such as a silica/silicate network around, throughout and/or about the cellulosic material instead of having isolated particles of filler material deposited onto, or purposefully bonded to, the cellulosic material. One embodiment of the method comprises providing a mixture comprising cellulosic material, a Group I metal silicate and a Group II metal base or salt. The mixture is then carbonated to produce a product comprising precipitated carbonate filler material and a polymerized mineral network about the cellulosic material. This product is then formed into paper products wherein the ash content can be substantially greater than conventional paper products while maintaining suitable strength properties.

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Citation (search report)
See references of WO 9904092A1

Cited by
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