

Title (en)

Method for producing paper comprising multi-phase calcium silicate hydrates

Title (de)

Verfahren zur Herstellung von Papier enthaltend multiphasige Calciumsilikathydrate

Title (fr)

Procédé de préparation de papier comprenant d'hydrates de silicate de calcium à phases multiples

Publication

**EP 1642873 A1 20060405 (EN)**

Application

**EP 05025956 A 20000826**

Priority

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- US 15086299 P 19990826

Abstract (en)

A method for improving sheet stiffness of paper is disclosed, as well as a calcium silicate hydrate mixture useful in such a process. The paper is manufactured by drying a furnish mixture of an aqueous pulp slurry and preselected fillers, the method involving incorporating into the furnish mixture particles of multiple phase calcium silicate hydrate comprising a major component comprised of riversideite and a minor component of xonotlite. The particles have an irregular globular structure, typically with an outside diameter from about 10 to about 30 microns.

IPC 8 full level

**C04B 7/34** (2006.01); **C04B 33/24** (2006.01); **D21H 17/68** (2006.01)

CPC (source: EP)

**D21H 17/68** (2013.01); **D21H 17/52** (2013.01)

Citation (search report)

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- [A] US 4780180 A 19881025 - TAKE TAKAO [JP], et al
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