

Title (en)
PAPER, CARDBOARD OR PAPERBOARDLIKE MATERIAL

Publication
EP 0112958 B1 19861217 (DE)

Application
EP 83101826 A 19830224

Priority
DE 3248667 A 19821230

Abstract (en)
[origin: EP0112958A1] 1. Paper-, cardboard- or paperboard-like material manufactured by forming sheets from a suspension of aqueous and fiber-like materials and dehydration of said suspension on a sieve followed by drying, with the rigidity of a sheet depending on the hydrogen bridges arising between the individual fibers during dehydration, characterized in that as filler material which is able to bond hydrogen bridges crystalline calcium hydrosilicate having a xonolith structure with the formula $6 \text{ CaO} \times 6 \text{ SiO}_2 \times n \text{ H}_2\text{O}$ or $\text{Ca} [(\text{OH})_2 \text{ Si}_6 \text{ O}_{17}] \times n \text{ H}_2\text{O}$ comprising an original water content exceeding the crystal water content of 2.5 or 3% by weight is provided for, which water content is included in hydrogen bridges between the fibers for supporting the rigidity of the sheet.

IPC 1-7
D21H 3/78; **D21H 5/18**

IPC 8 full level
D21H 13/38 (2006.01); **D21H 17/68** (2006.01)

CPC (source: EP)
D21H 13/38 (2013.01); **D21H 17/68** (2013.01)

Citation (examination)
Wochenblatt für Papierfabrikation, No. 20, 1973, Seite 789

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0112958 A1 19840711; **EP 0112958 B1 19861217**; AT E24343 T1 19870115; DE 3368451 D1 19870129

DOCDB simple family (application)
EP 83101826 A 19830224; AT 83101826 T 19830224; DE 3368451 T 19830224