

Title (en)  
PACKAGING PAPER

Title (de)  
VERPACKUNGSPAPIER

Title (fr)  
PAPIER D'EMBALLAGE

Publication  
**EP 4067568 A1 20221005 (DE)**

Application  
**EP 21166361 A 20210331**

Priority  
EP 21166361 A 20210331

Abstract (en)  
[origin: CA3214122A1] The invention relates to a packaging paper for sharp-edged objects and/or objects having unevenly arranged, protruding, substantially non-deformable elevations on at least one of the surfaces of said object, the packaging paper consisting of kraft pulp as the main constituent and of fillers, starch, sizing agent and additional process aids and optionally bleach and/or coating agent, the packaging paper containing at least 95% primary pulp containing at least 80%, preferably at least 90%, more particularly at least 95%, pulp having a length-weighted average fiber length of at least 2.0 mm, and less than 4.5%, preferably less than 4.0%, more particularly less than 3.7%, fillers, and cationic starch and other process aids. The packaging paper has an elongation at break in the machine direction (MD) according to ISO 1924-3:2005 of at least 6.0%, preferably at least 6.5%, a puncture energy index according to DIN EN 14477:2004 at a test speed of 10.0 mm/min, measured on any side of the packaging paper, in the range of 30 to 75 mJ.m<sup>2</sup>/kg, preferably 35 to 70 mJ.m<sup>2</sup>/kg, and a kappa number according to ISO 302:2015 of between 35 and 38, preferably 39 and 48.

Abstract (de)  
Ein Verpackungspapier für scharfkantige Gegenstände und/oder Gegenstände, die ungleichmäßig angeordnete, vorragende, im Wesentlichen nicht verformbare Erhebungen an wenigstens einer seiner Oberflächen aufweisen, welches aus Kraft-Zellstoff als Hauptbestandteil sowie Füllstoffen, Stärke, Leimungsmittel und weiteren Prozesshilfsstoffen sowie gegebenenfalls Bleichmittel und/oder Beschichtungsmittel besteht, enthält wenigstens 95 % Primärzellstoff enthaltend wenigstens 80 %, vorzugsweise wenigstens 90 %, insbesondere wenigstens 95 % Zellstoff mit einer mittleren längengewichteten Faserlänge von wenigstens 2,0 mm sowie weniger als 4,5 %, vorzugsweise weniger als 4,0 %, insbesondere weniger als 3,7 % Füllstoffe sowie kationische Stärke und andere Prozesshilfsstoffe, welches Verpackungspapier eine Bruchdehnung in Maschinenrichtung (MD) nach ISO 1924-3:2005 von wenigstens 6,0 %, vorzugsweise wenigstens 6,5 % aufweist und welches einen Durchstoßenergieindex gemäß DIN EN 14477:2004 mit einer Prüfungsgeschwindigkeit von 10,0 mm/min gemessen an einer beliebigen Seite des Verpackungspapiers im Bereich von 30 bis 75 mJ.m<sup>2</sup>/kg, vorzugsweise 35 bis 70 mJ.m<sup>2</sup>/kg aufweist.

IPC 8 full level  
**D21C 9/10** (2006.01); **D21H 17/29** (2006.01); **D21H 17/67** (2006.01); **D21H 21/16** (2006.01); **D21H 27/10** (2006.01)

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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)

