

Title (en)

Transparent paper containing fibrous materials from annual plants and/or other quick-growing non-wooden fibrous materials

Title (de)

Transparentpapier, enthaltend Faserstoffe aus Einjahrespflanzen und/oder andere schnellwachsende Nichteinholzfaserstoffe

Title (fr)

Papier transparent comprenant des matières fibreuses composées de plantes annuelles et/ou d'autres matières fibreuses non dérivées du bois à croissance rapide

Publication

EP 2402504 A1 20120104 (DE)

Application

EP 11005249 A 20110628

Priority

- EP 10006710 A 20100629
- EP 11005249 A 20110628

Abstract (en)

Transparent paper comprises fibrous material from annual plants and/or other fast-growing non-wood fibrous material and has a light transmission of at least 50%. An independent claim is also included for producing the transparent paper, comprising: (i) providing fibrous material from annual plants and/or other fast-growing non-wood fibrous material; (ii) treating the non-wood fibrous materials and/or secondary fibrous materials, which are obtained from annual plants, other non-wood fibers and/or wood fibers to obtain the stock by breaking, grinding, suspending in water and/or adding other substances including dyes, pigments, bleaching agents, binders and/or fillers; (iii) foliating and drying the paper on a paper machine; and (iv) optionally surface treating and/or processing the paper by dyeing, painting, gluing, further drying, smoothing and/or embossing.

Abstract (de)

Die vorliegende Erfindung betrifft ein Transparentpapier, enthaltend Faserstoffe aus Einjahrespflanzen und/oder andere schnellwachsende Nichteinholzfaserstoffe, ein Verfahren zur Herstellung eines solchen Transparentpapiers und die Verwendung desselben.

IPC 8 full level

D21H 21/26 (2006.01); **D21H 27/06** (2006.01); **D21H 11/12** (2006.01); **D21H 11/14** (2006.01)

CPC (source: EP)

D21H 21/26 (2013.01); **D21H 27/06** (2013.01)

Citation (applicant)

VON SIEBEL: "Handbuch der Werkstoffprüfung", vol. 4, 1953, SPRINGER-VERLAG, pages: 241 FF

Citation (search report)

- [XY] US 5976320 A 19991102 - LUND GERRIT [DE], et al
- [XY] US 2006016568 A1 20060126 - GILLETTE PAUL C [US], et al
- [XY] GB 2283989 A 19950524 - JIN YUAN PAPER CORP [TW]
- [XY] WO 2007004757 A1 20070111 - LEE KWON-HYOK [KR], et al
- [XY] WO 2008044860 A1 20080417 - BAEK IL-GI [KR]
- [Y] EP 1319749 A1 20030618 - EITOKU CORP [JP], et al
- [A] WO 2008063014 A1 20080529 - I BIG INC [KR], et al
- [Y] US 4416950 A 19831122 - MULLER PETER [US], et al
- [Y] FR 2916769 A1 20081205 - ARJOWIGGINS LICENSING SOC PAR [FR]
- [Y] FR 2910500 A1 20080627 - ARJOWIGGINS SOC PAR ACTIONS SI [FR]

Cited by

US2016010279A1; DE102012107193A1; CN102888772A; CN108611908A; CN106223119A; US10480126B2; CN112482092A; CN112593436A; US10982390B2; US9976255B2

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