

Title (en)
COMPOSITION

Title (de)
ZUSAMMENSETZUNG

Title (fr)
COMPOSITION

Publication
EP 3521505 A1 20190807 (EN)

Application
EP 17856450 A 20170929

Priority
• JP 2016193392 A 20160930
• JP 2017035524 W 20170929

Abstract (en)
It is an object of the present invention to provide a high-bulk cellulose fiber-containing sheet, wherein the water-retaining ability of the cellulose fibers is sufficiently high, and the water-absorbing rate is large. The present invention relates to a composition comprising cellulose fibers having phosphoric acid groups or phosphoric acid group-derived substituents, wherein, in at least a part of the cellulose fibers, the phosphoric acid groups or the phosphoric acid group-derived substituents are crosslinked, the number of crosslinking points in the cellulose fibers, which is calculated according to the following Equation (1), is 0.20 mmol/g or more, and the water content is 50% by mass or less, with respect to the total mass of the composition:

IPC 8 full level
D06M 11/71 (2006.01); **D04H 1/26** (2012.01); **D06M 13/432** (2006.01); **D21H 11/20** (2006.01)

CPC (source: EP KR US)
D04H 1/26 (2013.01 - EP KR US); **D06M 11/71** (2013.01 - EP KR US); **D06M 13/292** (2013.01 - EP); **D06M 13/432** (2013.01 - EP KR US); **D06M 15/433** (2013.01 - EP); **D21H 11/20** (2013.01 - KR US); **D21H 17/10** (2013.01 - EP); **D21H 17/65** (2013.01 - EP); **D21H 21/18** (2013.01 - EP)

Cited by
EP3728421A4

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3521505 A1 20190807; **EP 3521505 A4 20200624**; CN 109952398 A 20190628; JP 7044067 B2 20220330; JP WO2018062501 A1 20190718; KR 102210597 B1 20210201; KR 20190049857 A 20190509; US 2019276959 A1 20190912; WO 2018062501 A1 20180405

DOCDB simple family (application)
EP 17856450 A 20170929; CN 201780060785 A 20170929; JP 2017035524 W 20170929; JP 2018542942 A 20170929; KR 20197010822 A 20170929; US 201716338197 A 20170929