

Title (en)
CROSSLINKED MFC

Title (de)
VERNETZTE MFC

Title (fr)
CMF RÉTICULÉE

Publication
EP 4058632 A1 20220921 (EN)

Application
EP 20803189 A 20201112

Priority
• EP 19208620 A 20191112
• EP 2020081884 W 20201112

Abstract (en)
[origin: EP3822409A1] There is provided a method for producing a crosslinked film comprising microfibrillated cellulose (MFC), wherein the method comprises the steps of: a) applying an aqueous composition comprising a crosslinking agent to a film comprising MFC, which film has a moisture content of less than 15 %, such as less than 10 %, provided that if the crosslinking agent is a metal ion, it is a divalent metal ion having a concentration in the aqueous composition of below 100 mM, such as below 50 mM; and b) drying the film from step a) such that at least 50% of the water absorbed by the film following the application of step a) is removed within five minutes of the performance of step a).

IPC 8 full level
D21H 11/18 (2006.01); **D21H 11/20** (2006.01); **D21H 17/06** (2006.01); **D21H 17/14** (2006.01); **D21H 17/63** (2006.01); **D21H 17/66** (2006.01); **D21H 19/12** (2006.01); **D21H 19/64** (2006.01); **D21H 23/24** (2006.01); **D21H 23/26** (2006.01)

CPC (source: EP)
D21H 11/18 (2013.01); **D21H 11/20** (2013.01); **D21H 17/06** (2013.01); **D21H 17/14** (2013.01); **D21H 17/63** (2013.01); **D21H 17/66** (2013.01); **D21H 19/12** (2013.01); **D21H 19/64** (2013.01); **D21H 23/24** (2013.01); **D21H 23/26** (2013.01)

Citation (search report)
See references of WO 2021094440A1

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 3822409 A1 20210519; CN 114641597 A 20220617; EP 4058632 A1 20220921; JP 2023501001 A 20230117; WO 2021094440 A1 20210520

DOCDB simple family (application)
EP 19208620 A 20191112; CN 202080077855 A 20201112; EP 2020081884 W 20201112; EP 20803189 A 20201112; JP 2022553220 A 20201112