

Title (en)
OIL-RESISTANT AGENT FOR PAPER

Title (de)
ÖLBESTÄNDIGES MITTEL FÜR PAPIER

Title (fr)
AGENT RÉSISTANT À L'HUILE POUR PAPIER

Publication
EP 3978683 A1 20220406 (EN)

Application
EP 20814375 A 20200527

Priority
• JP 2019099463 A 20190528
• JP 2020020972 W 20200527

Abstract (en)
Provided is an oil-resistant agent that can impart exceptional oil resistance to paper. This oil-resistant agent for paper is added to the interior of paper and comprises (1) a non-fluorine polymer and (2) at least one type of particles selected from inorganic particles or organic particles, the amount of the particles (2) being 1-99.9 wt% of the total weight of the non-fluorine polymer (1) and the particles (2).

IPC 8 full level
D21H 17/28 (2006.01); **D21H 17/37** (2006.01); **D21H 17/67** (2006.01); **D21H 21/14** (2006.01); **D21J 3/00** (2006.01)

CPC (source: EP KR US)
D21H 17/28 (2013.01 - EP KR US); **D21H 17/37** (2013.01 - EP KR US); **D21H 17/43** (2013.01 - KR); **D21H 17/45** (2013.01 - KR); **D21H 17/67** (2013.01 - EP KR); **D21H 17/675** (2013.01 - EP US); **D21H 17/74** (2013.01 - EP KR US); **D21H 21/14** (2013.01 - EP KR); **D21H 21/16** (2013.01 - EP); **D21H 23/24** (2013.01 - KR); **D21H 27/10** (2013.01 - EP); **D21J 3/00** (2013.01 - EP KR); **D21H 23/04** (2013.01 - US)

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 3978683 A1 20220406; **EP 3978683 A4 20230510**; CN 113891972 A 20220104; JP 7299526 B2 20230628; JP WO2020241709 A1 20201203; KR 20220002428 A 20220106; TW 202106949 A 20210216; US 2022081842 A1 20220317; WO 2020241709 A1 20201203

DOCDB simple family (application)
EP 20814375 A 20200527; CN 202080038255 A 20200527; JP 2020020972 W 20200527; JP 2021522830 A 20200527; KR 20217038130 A 20200527; TW 109117674 A 20200527; US 202117456739 A 20211129