

Title (en)
TOILET PAPER

Title (de)
TOILETTENPAPIER

Title (fr)
PAPIER HYGIÉNIQUE

Publication
EP 3733034 A4 20210825 (EN)

Application
EP 18894199 A 20181211

Priority
• JP 2017252551 A 20171227
• JP 2018045438 W 20181211

Abstract (en)
[origin: EP3733034A1] To provide toilet paper which is hardly torn in wiping other than the human body and is excellent in texture at the time of wiping humans. To solve such problem, in three or four-ply toilet paper, a basis weight per ply of the toilet paper is 14.9 g/m² or more and 16.2 g/m² or less, an overall paper thickness is 297 μm or more and 435 μm or less, a dry tensile strength in a longitudinal direction is 451 cN/25 mm or more and 1001 cN/25 mm or less, and a ratio of a wet tensile strength in a horizontal direction to a dry tensile strength in a horizontal direction is 0.09 or more.

IPC 8 full level
A47K 10/16 (2006.01); **D21H 27/00** (2006.01); **D21H 27/30** (2006.01)

CPC (source: CN EP KR US)
A47K 10/16 (2013.01 - CN EP KR US); **D21H 27/002** (2013.01 - EP); **D21H 27/005** (2013.01 - EP); **D21H 27/30** (2013.01 - EP US)

Citation (search report)
• [A] WO 2016173641 A1 20161103 - SCA HYGIENE PROD AB [SE]
• [A] EP 2267223 A1 20101229 - DAIO SEISHI KK [JP], et al
• See references of WO 2019131103A1

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

DOCDB simple family (publication)
EP 3733034 A1 20201104; EP 3733034 A4 20210825; EP 3733034 B1 20220629; CN 109965759 A 20190705; CN 109965759 B 20230328; JP 2019115593 A 20190718; JP 7084717 B2 20220615; KR 20200101910 A 20200828; US 2021059484 A1 20210304; WO 2019131103 A1 20190704

DOCDB simple family (application)
EP 18894199 A 20181211; CN 201810486821 A 20180521; JP 2017252551 A 20171227; JP 2018045438 W 20181211; KR 20207015219 A 20181211; US 201816958335 A 20181211