

Title (en)  
TOILET PAPER

Title (de)  
TOILETTENPAPIER

Title (fr)  
PAPIER HYGIÉNIQUE

Publication  
**EP 3907328 A1 20211110 (EN)**

Application  
**EP 20766224 A 20200212**

Priority  
• JP 2019040905 A 20190306  
• JP 2020005222 W 20200212

Abstract (en)  
To provide a toilet paper that provides an excellent thick feeling, has excellent water-disintegrability, has sufficient softness, provides a security feeling to a human body during use, and is environmentally friendly. The problem is solved by a 3-ply or 4-ply toilet paper, each ply having a basis weight of 10.5 to 12.5 g/m<sup>2</sup>, containing oxygen-pulped and non-chlorine-bleached softwood kraft pulp in an amount of 50 to 100% by mass of fibers, containing a cationic fatty acid amide-based softener, each ply having a paper thickness of 80 to 100 μm, having a paper thickness of 320 to 400 μm as the entire toilet paper, and having water-disintegrability of 10 seconds or less.

IPC 8 full level  
**D21C 3/00** (2006.01); **A47K 10/16** (2006.01); **D21H 17/07** (2006.01)

CPC (source: EP KR US)  
**A47K 10/16** (2013.01 - KR US); **D21H 11/04** (2013.01 - KR US); **D21H 17/07** (2013.01 - EP KR US); **D21H 21/24** (2013.01 - KR); **D21H 27/002** (2013.01 - EP KR); **D21H 27/005** (2013.01 - KR US); **D21H 27/30** (2013.01 - EP US); **A47K 10/16** (2013.01 - EP)

Cited by  
US2023374733A1; US12091820B2

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 3907328 A1 20211110**; **EP 3907328 A4 20221005**; **EP 3907328 B1 20231206**; CN 113330158 A 20210831; CN 113330158 B 20221115; JP 2020141870 A 20200910; JP 7175801 B2 20221121; KR 102683635 B1 20240709; KR 20210134645 A 20211110; US 2022127790 A1 20220428; WO 2020179379 A1 20200910

DOCDB simple family (application)  
**EP 20766224 A 20200212**; CN 202080010190 A 20200212; JP 2019040905 A 20190306; JP 2020005222 W 20200212; KR 20217027641 A 20200212; US 202017436145 A 20200212