

Title (en)  
HUMAN HAIR FIBER TREATMENT AGENT

Title (de)  
MITTEL ZUR BEHANDLUNG MENSCHLICHER HAARFASERN

Title (fr)  
AGENT DE TRAITEMENT DE FIBRES CAPILLAIRES HUMAINES

Publication  
**EP 4018864 A4 20230906 (EN)**

Application  
**EP 20853796 A 20200804**

Priority  
• JP 2019151580 A 20190821  
• JP 2020029844 W 20200804

Abstract (en)  
[origin: EP4018864A1] A human hair fiber treatment agent for treating human hair fibers separated from the human head and artificially fixed at one part of the longitudinal direction, wherein the human hair fiber treatment agent comprises the following components (A) to (C) in the formulation thereof, and the content of the component (A) is 1% by mass or more: (A): formaldehyde or a hydrate thereof; (B): a melamine derivative represented by the formula (1) wherein  $R^{1</sup>}$  to  $R^{3</sup>}$  each represent a hydrogen atom, a hydroxymethylamino group, a hydroxy group, a halogen atom, a phenyl group, a linear or branched alkyl group or alkenyl group having 1 or more and 6 or less carbon atoms, or a linear or branched alkoxy group or alkenyloxy group having 1 or more and 6 or less carbon atoms; and (C): water.

IPC 8 full level  
**A41G 3/00** (2006.01); **A61K 8/34** (2006.01); **A61K 8/35** (2006.01); **A61K 8/49** (2006.01); **D06M 13/127** (2006.01); **D06M 13/325** (2006.01); **D06M 13/355** (2006.01); **D06M 13/358** (2006.01); **D06M 15/65** (2006.01); **D06M 101/12** (2006.01)

CPC (source: EP US)  
**A41G 3/0075** (2013.01 - US); **A41G 3/0083** (2013.01 - EP); **D06M 13/127** (2013.01 - EP US); **D06M 13/325** (2013.01 - EP); **D06M 13/355** (2013.01 - US); **D06M 13/358** (2013.01 - EP); **D06M 15/41** (2013.01 - EP US); **D06M 15/423** (2013.01 - EP US); **D06M 15/6436** (2013.01 - US); **D06M 15/65** (2013.01 - US); **D06M 15/652** (2013.01 - EP); **D06P 3/3008** (2013.01 - EP); **D06M 2101/12** (2013.01 - EP US); **D06M 2200/12** (2013.01 - EP); **D06M 2200/50** (2013.01 - EP US)

Citation (search report)  
• [E] EP 3753434 A1 20201223 - KAO CORP [JP]  
• [X] JP H0959873 A 19970304 - TOYO BOSEKI  
• See also references of WO 2021033535A1

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

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