

## Title (en)

Stacked wet wipes having anti evaporation layers

## Title (de)

Gestapelte nasse Tücher mit Schichten gegen Verdampfung

## Title (fr)

Lingettes humides en pile ayant des couches anti évaporation

## Publication

**EP 0978247 A1 20000209 (EN)**

## Application

**EP 98114513 A 19980803**

## Priority

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## Abstract (en)

The present invention relates to wet wipes (1) for use in wiping surfaces in the home and in industry, in addition to their use on the human body such as for baby wipes, make-up removal and other skin care applications. The wet wipes (1) are provided with an improved stacking configuration which comprises the insertion of at least one anti evaporation layer (24) within the stack to reduce the evaporation of the volatile components of the lotion formulation from the stack, particularly once the packaging has been opened. <IMAGE>

## IPC 1-7

**A47K 10/42**

## IPC 8 full level

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## CPC (source: EP)

**A47K 10/42** (2013.01); **A47K 2010/3266** (2013.01); **A47K 2010/428** (2013.01)

## Citation (applicant)

- US 4778048 A 19881018 - KASPAR MARK L [US], et al
- CA 2142385 A1 19960130 - KIMBERLY CLARK CO [US]
- US 4775582 A 19881004 - ABBA WILLIAM A [US], et al
- EP 0256950 A1 19880224 - KIMBERLY CLARK CO [US]
- US 2082275 A 19370601 - KARL DAIMLER, et al
- US 2702279 A 19550215
- US 2255082 A 19410909 - LUDWIG ORTHNER, et al
- GB 1082179 A 19670906 - CITRIQUE BELGE NV
- US 3929678 A 19751230 - LAUGHLIN ROBERT GENE, et al
- US 3812044 A 19740521 - CONNOR D, et al
- US 4704233 A 19871103 - HARTMAN FREDERICK A [US], et al
- EP 0328355 A2 19890816 - RICHARDSON VICKS INC [US]

## Citation (search report)

- [X] US 3744448 A 19730710 - BOONE P
- [YD] EP 0256950 A1 19880224 - KIMBERLY CLARK CO [US]
- [A] US 4138034 A 19790206 - MCCARTHY ROBERT F
- [A] US 3784055 A 19740108 - ANDERSON J
- [A] US 4601938 A 19860722 - DEACON MARTIN J [GB], et al
- [XDY] DATABASE WPI Section Ch Week 9717, Derwent World Patents Index; Class A96, AN 97-179941, XP002089228

## Cited by

EP2179953A1; KR100718517B1; EP3892180A1; JP2002102106A; EP1188404A3; EP1208784A1; CN102369144A; EP2414254A4; DE102006035570A1; EP1090868A3; EP1982689A1; US6641894B2; WO2008129494A1; WO2010008767A1; US8147473B2; US8097326B2; DE102020108639B3

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