

Title (en)

Tissue paper dispenser with a device for separating a roll of tissue paper and method thereof

Title (de)

Papiertücherspender mit einer Vorrichtung zum Trennen einer Papiertücherrolle und Methode dafür

Title (fr)

Distributeur de serviettes en papier avec un dispositif pour séparer un rouleau de serviettes en papier et méthode correspondante

Publication

EP 1273254 A3 20040107 (EN)

Application

EP 02013038 A 20020613

Priority

- CN 01120132 A 20010705
- CN 01124014 A 20010806

Abstract (en)

[origin: EP1273254A2] A tissue paper dispenser includes a casing, a first set of rollers and a second set of rollers rotatably in the casing, a detecting means mounted between the first set of rollers and the second set of rollers, and a roll of tissue paper carrying a plurality of sensor marks. The first set of rollers and the second set of rollers are driven by power devices to rotate at the same speed for moving the roll of tissue paper through the rollers of the first set of rollers and the second set of rollers. The first set of rollers and the second set of rollers rotate at different speeds when one of the sensor marks on the roll of tissue paper passes through the detecting means to thereby tear the tissue paper apart. <IMAGE>

IPC 1-7

A47K 10/36

IPC 8 full level

A47K 10/36 (2006.01)

CPC (source: EP)

A47K 10/36 (2013.01)

Citation (search report)

- [XA] EP 0516991 A1 19921209 - WINDMOELLER & HOELSCHER [DE]
- [XA] US 4284221 A 19810818 - NAGEL ERICH, et al
- [A] US 6213424 B1 20010410 - HELFER-GRAND BEVERLY [US]
- [XA] PATENT ABSTRACTS OF JAPAN vol. 013, no. 451 (C - 643) 11 October 1989 (1989-10-11)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14 22 December 1999 (1999-12-22)

Cited by

US8157141B2; CN102100502A; US9078546B2; WO2010072298A3

Designated contracting state (EPC)

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