

Title (en)
PAPER TOWEL DISPENSER

Title (de)
PAPIERTUCHSPENDER

Title (fr)
DISTRIBUTEUR D'ESSUIE-TOUT

Publication
EP 0741537 A1 19961113 (DE)

Application
EP 95908248 A 19950201

Priority
• DE 4403176 A 19940202
• EP 9500365 W 19950201

Abstract (en)
[origin: DE4403176A1] A cylinder (30) is mounted by means of a shaft (32) in a housing (10) with a support (20) for a paper roll (22). A spring (40) is helically wound around the shaft (32). When the cylinder (30) is rolled forward, the spring (40) is loaded and returns the cylinder to a rest position after the paper web (24) has been cut. One end section (42, 48) of the spring (40) is formed by spring windings that are always in close contact with the shaft (32), so that they act as directional locks. The spring (40) has a main part (46) made of spring coils between its end sections (42, 48). In their unstressed state, the spring coils surround the shaft (32) with a radial gap, and closely contact the shaft (32) only after the cylinder (30) has rolled forward to a predetermined extent, thus preventing the cylinder (30) from rolling further in the forward direction. The cylinder (30) thus allows a predetermined length of paper web (24) to be drawn from the roll (22). The drawn length of paper may then be cut from the paper web (24) by means of a cutting device (50).

IPC 1-7
A47K 10/34

IPC 8 full level
A47K 10/34 (2006.01); **A47K 10/38** (2006.01)

CPC (source: EP US)
A47K 10/38 (2013.01 - EP US); **A47K 2010/3863** (2013.01 - EP US); **Y10T 225/243** (2015.04 - EP US)

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DE 4403176 A1 19950803; **DE 4403176 C2 19980827**; DE 59502103 D1 19980610; EP 0741537 A1 19961113; EP 0741537 B1 19980506; ES 2115364 T3 19980616; US 6053355 A 20000425; WO 9520905 A1 19950810

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