

Title (en)
Towel dispenser for a continuous band

Title (de)
Handtuchspender mit einer kontinuierlichen Bahn

Title (fr)
Distributeur de serviettes avec une bande continue

Publication
EP 1053712 A1 20001122 (EN)

Application
EP 99830313 A 19990521

Priority
EP 99830313 A 19990521

Abstract (en)
A towel dispenser for a continuous band (40) includes a cabinet containing a frame (30) formed by two parallel walls (31, 32) between which there are pivoted a drive roller (50) rotatable around an axis (38) due to the friction of the band (40) being unwound by the user's pull, a roller (60) for winding up the soiled band (40) onto a second roll (46) through a kinematic connection with said drive roller (50), a roller (57) for taking up the soiled band (40) within the cabinet through a kinematic connection with an energy accumulator charged by the winding roller (60), an idle roller (70) arranged above the drive roller (50) and pivoted between two plates which are in turn pivoted on the walls (31, 32) so as to oscillate forward under the pulling action exerted by the user on the band (40), as well as a ratchet gear mobile between a rest position wherein the energy accumulator is free and an engagement position wherein the energy accumulator is charged by the rotation of the winding roller (60). The engagement position is reached due to the above-cited forward oscillation of the plates and is maintained for a certain time after the ceasing of the user's pulling action thanks to a pair of suction cups which delay the return of the multiple lever ratchet gear to the rest position and the subsequent release of the energy accumulated by the accumulator which drives the take-up roller (57) so as to take up the soiled band within the cabinet, the length remaining outside being pulled close to the lower surface of the cabinet whereby the soiled band is not visible and the next user does not have the tendency to wipe his hands in the exposed soiled band rather than pulling out a clean portion thereof. <IMAGE>

IPC 1-7
A47K 10/28

IPC 8 full level
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CPC (source: EP)
A47K 10/28 (2013.01)

Citation (applicant)

- EP 0059893 A2 19820915 - STEINER CO INT SA [CH]
- US 3323848 A 19670606 - BAHNSEN ERWIN B
- US 3893738 A 19750708 - BAHNSEN ERWIN B

Citation (search report)

- [A] DE 2637823 A1 19780223 - SCHUMM ERICH
- [DA] US 3893738 A 19750708 - BAHNSEN ERWIN B
- [A] EP 0138562 A2 19850424 - STEINER CO INT SA [CH]
- [A] GB 2168684 A 19860625 - SCAMPGATE LTD

Cited by
EP2366316A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IT LI NL PT SE

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EP 1053712 A1 20001122

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