

Title (en)  
Paper towel dispenser

Title (de)  
Papierhandtuchspender

Title (fr)  
Distributeur de serviettes en papier

Publication  
**EP 1232715 B1 20051123 (EN)**

Application  
**EP 02250907 A 20020211**

Priority  
• US 78073301 A 20010209  
• US 96627501 A 20010927  
• US 96612401 A 20010927

Abstract (en)  
[origin: EP1231823A1] A grounding mechanism and method for grounding a dispenser are provided, consisting in having an internal low-impedance path (2016) for electrostatic charges that build up during use of the dispenser. The electrostatic charges are discharged to a local ground to which the low-impedance path is connected.

IPC 1-7  
**A47K 10/36**; H03K 17/955

IPC 8 full level  
**A47K 10/36** (2006.01); **H05F 3/02** (2006.01)

CPC (source: EP)  
**A47K 10/36** (2013.01); **A47K 10/3687** (2013.01); **H05F 3/02** (2013.01); **A47K 10/3612** (2013.01); **A47K 10/3625** (2013.01);  
**A47K 2010/3668** (2013.01); **A47K 2010/3681** (2013.01)

Cited by  
FR2872806A1; US6977588B2; US6903654B2; WO2006013241A1; DE202014000722U1; US11478111B2; US11864695B2; US8511598B2;  
US7533845B2; US8298640B2; US8741410B2; US10835086B2; US9854948B1; US10390663B2; US10791885B1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1231823 A1 20020814**; **EP 1231823 B1 20060802**; **EP 1231823 B2 20100811**; AT E310438 T1 20051215; AT E335388 T1 20060815;  
DE 60202083 D1 20050105; DE 60202083 T2 20051215; DE 60207453 D1 20051229; DE 60207453 T2 20060803; DE 60213491 D1 20060914;  
DE 60213491 T2 20070726; DE 60213491 T3 20110120; DK 1231823 T3 20061204; DK 1231823 T4 20101122; DK 1232715 T3 20060403;  
EP 1232715 A2 20020821; EP 1232715 A3 20031022; EP 1232715 B1 20051123; ES 2253491 T3 20060601; ES 2267941 T3 20070316;  
ES 2267941 T5 20110125

DOCDB simple family (application)  
**EP 02250924 A 20020211**; AT 02250907 T 20020211; AT 02250924 T 20020211; DE 60202083 T 20020211; DE 60207453 T 20020211;  
DE 60213491 T 20020211; DK 02250907 T 20020211; DK 02250924 T 20020211; EP 02250907 A 20020211; ES 02250907 T 20020211;  
ES 02250924 T 20020211