

Title (en)  
Water spot-free hand dryer

Title (de)  
Wasserfleckenfreier Handtrockner

Title (fr)  
Séchoir à main sans des taches d'eau

Publication  
**EP 2636347 A1 20130911 (EN)**

Application  
**EP 12158290 A 20120306**

Priority  
EP 12158290 A 20120306

Abstract (en)  
A waterspit-free hand dryer includes a main body (10), an annular air discharge portion (20) and a water absorbing portion (30). The main body (10) generates high pressure airflow. The annular air discharge portion (20) is connected to the main body (10) and includes at least one extending section (21) extended from the main body (10) and a connecting section (22) connected to the extending section (21). The extending section (21) and connecting section (22) surround to form an annular hand drying passage (40) to receive user's hands. The annular air discharge portion (20) further has at least one nozzle (25) on an air discharge surface (23) communicating with the annular air discharge portion (20). The nozzle (25) forms an air discharge angle ( $\pm$ ) against the air discharge surface (23) to output the high pressure airflow towards an air discharge side (24). The water absorbing portion (30) is located on the main body (10) and relative to the air discharge side (24) to receive the high pressure airflow output from the nozzle (25).

IPC 8 full level  
**A47K 10/48** (2006.01)

CPC (source: EP)  
**A47K 10/48** (2013.01)

Citation (applicant)  

- JP H0951861 A 19970225 - JUST KK, et al
- JP H1118999 A 19990126 - DUSKIN CO LTD

Citation (search report)  

- [XYI] WO 2011044247 A1 20110414 - BRADLEY FIXTURES CORP [US], et al
- [Y] JP 2005027693 A 20050203 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] GB 2209935 A 19890601 - AROA BRIAN AIKEN
- [Y] GB 1602115 A 19811104 - AROA B A

Cited by  
CN111419106A; CN108852118A; CN113598639A; GB2505863A; GB2505863B

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2636347 A1 20130911; EP 2636347 B1 20150527**

DOCDB simple family (application)  
**EP 12158290 A 20120306**