

Title (en)  
LAVATORY SYSTEM WITH OVERFLOW PREVENTION AND OTHER FEATURES

Title (de)  
SANITÄRSYSTEM MIT ÜBERLAUFVERHINDERUNG UND ANDEREN FUNKTIONEN

Title (fr)  
SYSTÈME POUR SANITAIRES PERMETTANT LA PRÉVENTION DE TROP-PLEIN ET POSSÉDANT D'AUTRES FONCTIONS

Publication  
**EP 2699736 A4 20140827 (EN)**

Application  
**EP 12774488 A 20120404**

Priority  
• US 201113088793 A 20110418  
• US 2012032105 W 20120404

Abstract (en)  
[origin: US2012260418A1] Systems and methods for a lavatory system are described that include a bidirectional hand dryer having a top, bottom, back, and right side and multiple sensors and LEDs. Upper and lower nozzles are also provided and respectively connected to upper and lower plenums. At least two flexible air delivery hoses are connected to the plenums. A motor housing is provided and includes a motor, ports connected to the hoses, noise abatement features, and a motor microcontroller. A hand-receiving cavity exists between the top, back, right, and bottom side for receiving at least one hand of a user. Tips are connected to the nozzles and emit high speed colliding columns of air to shear water off of the user's hand. The columns of air are spaced and calibrated in such a way as to reduce forces on the user's hand which would otherwise move the hand toward the side surfaces.

IPC 8 full level  
**E03C 1/05** (2006.01); **A47K 10/48** (2006.01); **E03C 1/18** (2006.01)

CPC (source: EP US)  
**A47K 10/48** (2013.01 - EP US); **E03C 1/057** (2013.01 - EP US); **A47K 2210/00** (2013.01 - EP US)

Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2012145171A2

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DOCDB simple family (publication)  
**US 2012260418 A1 20121018**; CA 2833536 A1 20121026; CA 2833536 C 20200107; EP 2699736 A2 20140226; EP 2699736 A4 20140827; EP 2699736 B1 20200603; ES 2813353 T3 20210323; MX 2013012137 A 20140915; MX 349555 B 20170803; WO 2012145171 A2 20121026; WO 2012145171 A3 20140227

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