

Title (en)
DISPENSER INCLUDING ARRAY OF LIQUID DISPENSING ELEMENTS

Title (de)
SPENDER MIT EINER ANORDNUNG AUS FLÜSSIGKEITSAUSGABEELEMENTEN

Title (fr)
DISTRIBUTEUR COMPRENANT UN ENSEMBLE D'ÉLÉMENTS DE DISTRIBUTION DE LIQUIDE

Publication
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Application
EP 11774161 A 20111014

Priority

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Abstract (en)
[origin: WO2012058018A1] A liquid dispenser includes an array of liquid dispensing elements positioned on a substrate. Each liquid dispensing element includes a liquid dispensing channel positioned on the substrate. The liquid dispensing channel includes an outlet opening positioned on a wall opposite the substrate. A diverter member is associated with the liquid dispensing channel. A liquid return channel is positioned on the substrate in fluid communication with the liquid dispensing channel. A liquid supply channel is positioned on the substrate in fluid communication with the liquid dispensing channel. A liquid supply passage extends through the substrate in fluid communication with the liquid supply channel. A liquid return passage extends through the substrate in fluid communication with the liquid return channel. A liquid supply provides liquid that flows from each liquid supply channel through each liquid dispensing element to each liquid return channel. Each diverter member is selectively activated to divert a portion of the liquid flowing through the associated liquid dispensing channel through the outlet opening of the associated liquid dispensing channel to dispense a drop of the liquid.

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