

Title (en)  
PUMP-LESS TONER DISPENSER

Title (de)  
PUMPENLOSER TONERSPENDER

Title (fr)  
DISTRIBUTEUR DE TONER SANS POMPE

Publication  
**EP 2417038 A1 20120215 (EN)**

Application  
**EP 10762356 A 20100407**

Priority  

- US 2010030209 W 20100407
- US 41990809 A 20090407
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Abstract (en)  
[origin: WO2010118113A1] Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for dispensing toners. In one aspect, a toner dispensing system includes a toner container; a cap and valve assembly coupled to the toner container, the cap and valve assembly including: a movable valve assembly, the movable valve assembly having a first position and a second position, a toner path, and an air inlet path, where in a first valve assembly position the toner path and the air inlet path are closed, and in a second valve assembly position the toner path and the air inlet path are open; an air assembly including a first air supply coupled to the air path of the cap and valve assembly and a second regulated air supply coupled to the toner container; and a control assembly for controlling the second air supply.

IPC 8 full level  
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CPC (source: EP KR)  
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