

Title (en)  
An atomizer for electronic cigarette

Title (de)  
Zerstäuber für elektronische Zigarette

Title (fr)  
Atomiseur pour cigarette électronique

Publication  
**EP 2614731 A1 20130717 (EN)**

Application  
**EP 12151002 A 20120112**

Priority  
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Abstract (en)  
The invention relates to an atomizer for electronic cigarette comprising a mouth-piece, an atomization shell and a thread bushing. The atomization shell is a hollow pipe with its first end connected to the mouth-piece and its second end sealed by a sealing sleeve and the thread bushing. An aerosol passage is provided inside the atomization shell from its first end. The aerosol passage has one end in communication with an orifice provided on the mouth-piece and another end communicating with the sealing sleeve. The sealing sleeve is muff-coupled to the thread bushing. The atomization shell further has a first intermediary piece therein which extends into the sealing sleeve for introducing tobacco liquid stored in the atomization shell into the sealing sleeve. And an electric heating element is provided between the sealing sleeve and the thread bushing. The electric heating element, upon powered, heats up the tobacco liquid immersed in the first intermediary piece to make it atomized quickly and the atomized tobacco liquid flows through the aerosol passage and is discharged through the mouth-piece to human mouth. This atomizer adopts sealing sleeve and the atomization shell to form a storage room which improves the tobacco liquid reservation capability of the electronic cigarette and simplify the manufacturing of the cigarette. Further, because the electric heating element according to the present invention is not connected in the atomizer through a welding procedure, this kind atomizer is much better for environmental protection.

IPC 8 full level  
**A24F 40/485** (2020.01); **A24F 47/00** (2006.01); **A24F 40/10** (2020.01)

CPC (source: EP US)  
**A24F 40/485** (2020.01 - EP US); **A24F 40/10** (2020.01 - EP US)

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