

Title (en)  
VAPORIZATION PIPE WITH FLAME FILTER

Title (de)  
VERDAMPFUNGSROHR MIT FLAMMENFILTER

Title (fr)  
TUBE DE VAPORISATION AVEC FILTRE A FLAMMES

Publication  
**EP 1489930 A1 20041229 (EN)**

Application  
**EP 02807163 A 20021231**

Priority  

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- US 39946502 P 20020729
- US 42912002 A 20021126

Abstract (en)  
[origin: WO03082031A1] A vaporizer device that uses a flame (46) for vaporizing flavor and psychoactive compounds from smoking materials such as tobacco (28). The present device has a filter unit (34) with a porous flame filter (36). The flame filter (36) can be made of open-cell ceramic or metal foam, sintered ceramic or metal granules or other porous, heat resistant materials. In use, flame (46) is supplied to the flame filter (36), and inhalation causes ambient air to enter the flame filter (36) as well. The flame exhaust and ambient air are mixed within the flame filter (36) and produce an air stream of intermediate temperature. The intermediate temperature air stream is hot enough to vaporize desirable components from the smoking material (28), but generally is not hot enough to burn the smoking material (28). The temperature of the air stream can be controlled by adjusting the amount of flame (46) supplied to the flame filter (36).

IPC 1-7  
**A24F 1/22**

IPC 8 full level  
**A24D 3/17** (2020.01); **A24F 1/00** (2006.01); **A24F 42/10** (2020.01); **A24F 42/60** (2020.01); **A61M 15/06** (2006.01)

CPC (source: EP US)  
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