



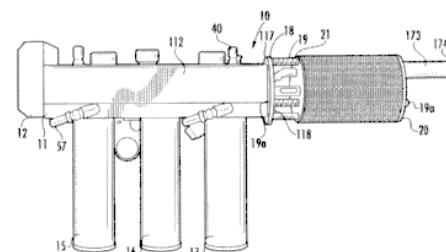
Document No. US9267677 B2	Published As US20110103778 A1	App. No. 12/913919	Doc Status ACTIVE
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Device for generating large volumes of smoke

PScore: 29 **70** Cite **12** Tech **17** Legal

The present invention relates to a hand held device for producing large volumes of smoke from a smoke producing solution. The design allows for repeated, fast, and lengthy heating of the heating chamber, and thus is an improvement over prior devices which can only be utilized in short bursts.

Priority 2009-10-29	Filed 2010-10-28	Granted 2016-02-23	Est. Exp. 2034-06-22
Assignee Current N/A		Assignee Original N/A	
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Prosecution Statistics

No. O/As	2	Claim Sets	3
No. RCEs	1	FW Docs.	65
Pendency	5.33 yrs.	Len. Spec.	33 pgs.
CoC	No	Term. Disc.	No
Restriction	No	Term Ext.	1333 days

Family Statistics

Apps. Filed	1
Apps. Active	0
Apps. Abandoned	0
Grants	1
Grants Active	1

Document Statistics

Total Words	10245 words
Len. Claim 1	229 words
No. Figures	16 pgs.
Rem. Annuities	\$12600
Next Payment	2019-08-23

Claim 1 **No. Claims: 20** **Length: 229 words**

An aerosol device capable of generating smoke comprising:

- a) a base portion for handling the device during use the base portion having a front side;
- b) a heating chamber for vaporizing a smoke producing solution having an inlet back side facing the base portion front side and having an inlet side cap and a smoke outlet side, a heating mantle, a perforated heat shield surrounding the side of the heating chamber, the chamber comprising a fuel ignition chamber, one or more combustion gas exit pipe vents on the inlet back side through the inlet side cap for the release of combustion gas from the heating chamber, and connected to the base portion, the heating chamber mounted in spaced relationship to the base portion on the base portion front side;
- c) a smoke producing solution pressurized by a propellant for the solution, operatively connected to the base and capable of delivering the smoke producing solution to coiled tubing which is tightly wound such that the coils touch positioned within the heating chamber and around the ignition chamber wherein the coil is operatively connected to an exit nozzle which is capable of dispersing the smoke producing solution once it is vaporized in the heating chamber; and
- d) a fuel attached to the base and operably connected to the heating chamber for delivery of the fuel to the ignition chamber for ignition.



Score Details

29
Patent Score

70
Citation Score

17
Legal Score

12
Tech Score

Remaining Life: 14.88 yrs.

Number Claims: 20

Forward Citations: 10

Family Size: 1

Remaining Maint: US \$12600

Citation Analysis

70
Citation Impact Score

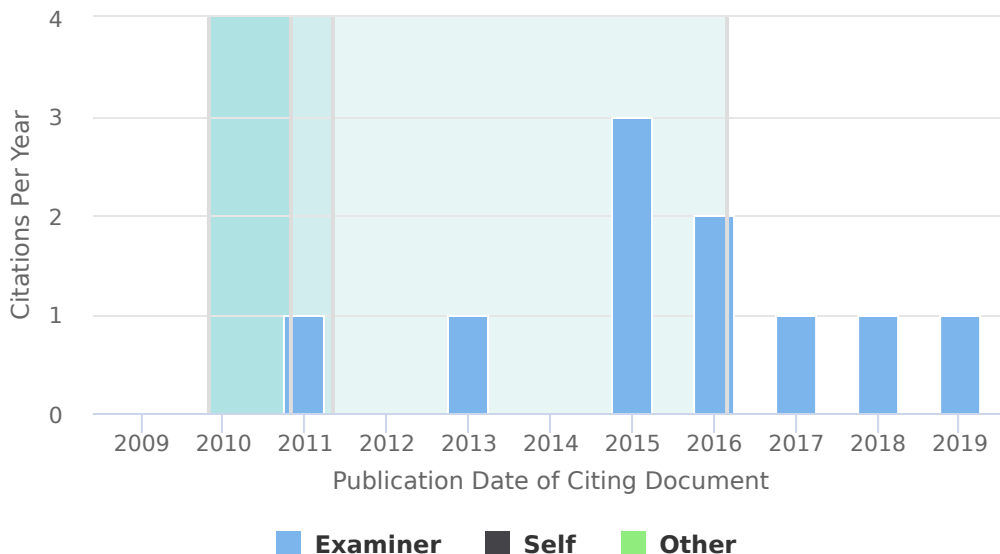
10
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8
App Citations

2
Patent Citations

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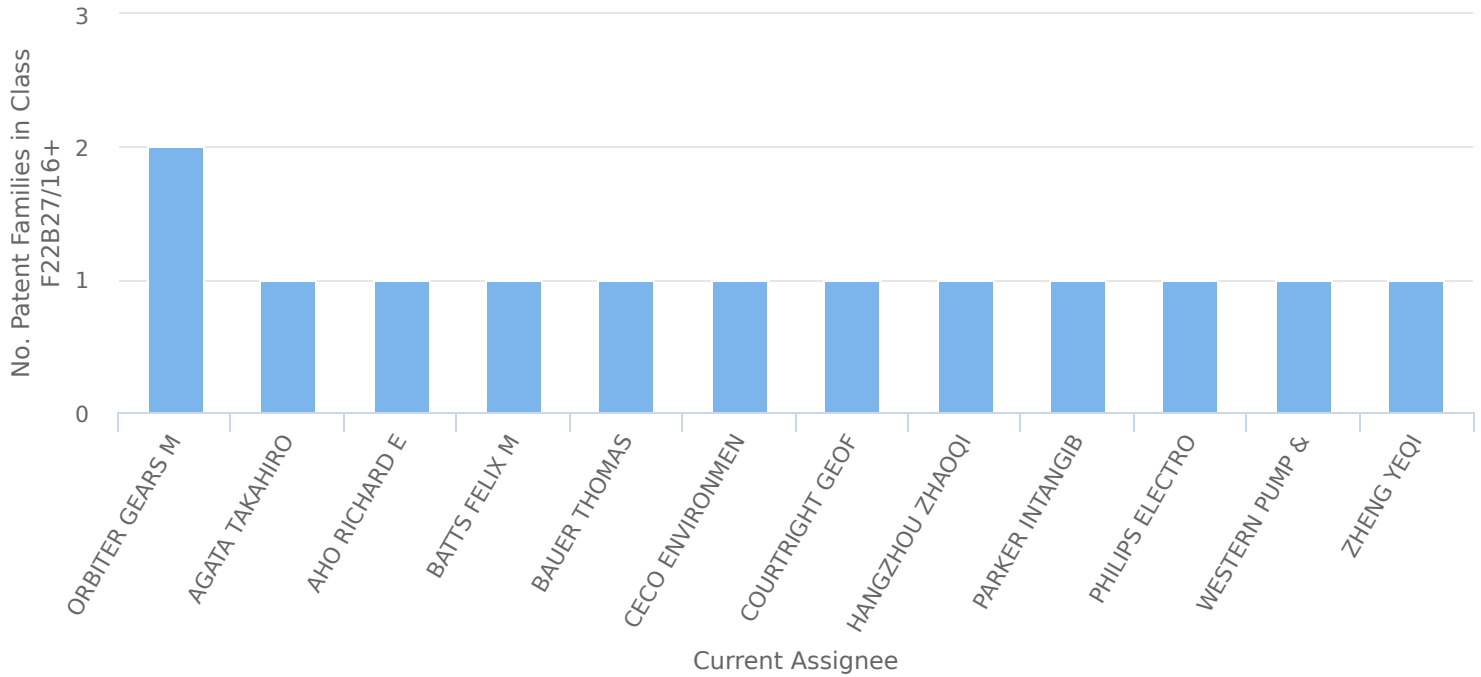
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Chart presents number of global patent families in CPC class F22B27/16+

