Claims

1. A portable extinguisher for extinguishing a single smoking article at a time, the extinguisher comprising:

a reservoir;

a chamber having side walls and sized to receive at least part of a single smoking article;

an opening to receive at least part of the smoking article into the chamber; and

a thermally conductive sleeve,

wherein the reservoir and the chamber are thermally coupled by the sleeve, wherein the chamber is isolated from the reservoir such that there is no fluid communication between the chamber and the reservoir, wherein the sleeve extends into the reservoir and is arranged to increase heat transfer from the chamber to the reservoir~~may be open or closed at its end opposite the chamber~~, and wherein the reservoir contains a phase change material arranged such that, in use, heat energy from a smoking article received in the chamber is absorbed by the side walls of the chamber, conducted along the length of the sleeve, and absorbed by a phase transition of the phase change material.

2. A portable extinguisher according to claim 1, further comprising a fluid contained within the reservoir.

3. A portable extinguisher according to claim 2, wherein the fluid comprises one or more of water and a volatile liquid.

4. A portable extinguisher according to any preceding claim, wherein the reservoir is sealed.

5. A portable extinguisher according to claim 1, wherein the chamber is at least partially within the sleeve.

6. A portable extinguisher according to claim 5, wherein the chamber is integral with and defined by the sleeve.

~~7. A portable extinguisher according to any one of claims 1, 5 and 7, wherein the sleeve at least partially extends into the reservoir.~~

~~8~~7. A portable extinguisher according to any one of claims 1 and 5 to ~~7~~6, wherein the reservoir is defined by an outer vessel and wherein the sleeve is at least partially separated from the outer vessel.

~~9~~8. A portable extinguisher according to any one of claims 1 and 5 to ~~8~~7, wherein the reservoir comprises a wick at least partially in contact with an exterior surface of the sleeve.

~~10~~9. A portable extinguisher according to claim ~~9~~8, wherein the wick substantially surrounds the sleeve.

~~11~~10. A portable extinguisher according to any preceding claim, wherein the end of the chamber opposite the opening is conical shaped.

~~12~~11. A portable extinguisher according to any preceding claim, wherein the end of the chamber opposite the opening is open.

~~13~~12. A portable extinguisher according to any preceding claim, further comprising a compartment in communication with the end of the chamber opposite the opening to receive and store ash deposited in the chamber during use.

~~14~~13. A portable extinguisher for extinguishing a single smoking article at a time, the extinguisher comprising:

a reservoir;

a chamber having side walls and sized to receive at least part of a single smoking article; and

an opening to receive at least part of the smoking article into the chamber;

wherein the reservoir and the chamber are thermally coupled and wherein the chamber is isolated from the reservoir such that there is no fluid communication between the chamber and the reservoir, the extinguisher further comprising a thermally conductive sleeve thermally coupled to the chamber and the reservoir, wherein the sleeve extends into the reservoir and is arranged to increase ~~a~~ heat transfer from the chamber to the reservoir, ~~wherein the sleeve may be open or closed at its end opposite the chamber,~~ and wherein, in use, heat energy from a smoking article received in the chamber is absorbed by the side walls of the chamber, conducted along the length of the sleeve, and drawn away by the reservoir.

~~15~~14. A portable lighter assembly, the lighter assembly comprising:

a portable extinguisher according to claim 2; and

an ignition assembly in fluid communication with the reservoir,

wherein the fluid contained within the reservoir is a flammable liquid fuel and the ignition assembly is arranged to ignite the flammable liquid fuel to form a lighting flame.