CLAIMS

~~What is claimed is:~~

1. A catalytic converter, comprising:

an external shell ~~delimited at an inlet port and an outlet port~~;

an internal shell spaced from the external shell;

a magnet located between the external shell and the internal shell; and

a ~~at least one~~ heater arranged within the internal ~~external~~ shell that is configured to heat toxic gases

and particulate matter that enter~~enters~~ the catalytic converter through an inlet port and ~~and at least~~ reduce said ~~eliminate said~~ gases and

particulate matter prior to said gases and particulate matter exiting the catalytic converter through an outlet port.

2. A ~~The~~ catalytic converter, ~~of claim 1, further~~ comprising:

a housing comprising a first shell and a second shell, the second shell spaced from the first~~external~~ shell;

~~and~~ a magnet located~~plurality of magnets arranged~~ between the first~~external~~ shell and the second shell; and~~.~~

a heater arranged within the housing that is configured to heat toxic gases and particulate matter that enter the catalytic converter through an inlet port and reduce said gases and particulate matter prior to said gases and particulate matter exiting the catalytic converter through an outlet port.

3. A catalytic converter, comprising:

an external shell;

an internal shell spaced from the external shell;

a magnet to generate a magnetic field within the internal shell; and

a heater configured to heat toxic gases and particulate matter that enter the catalytic converter and reduce said gases and particulate matter prior to said gases and particulate matter exiting the catalytic converter.

4. A catalytic converter, comprising:

an external shell;

an internal shell spaced from the external shell;

a magnet to generate a magnetic field within the internal shell;

a honeycomb filter disposed within the internal shell to slow down the flow of toxic gases and particulate matter from an inlet port to an outlet port of the catalytic converter; and

a pad located between the internal shell and the honeycomb filter to insulate heat within the internal shell;

wherein the pad and the honeycomb filter collectively aid in the removal of toxic gases and particulate matter within the catalytic converter.

5. The catalytic converter of claim 3, further comprising a pad located between the internal shell and the heater to insulate heat within the internal shell.

6.

~~3.~~ The catalytic converter of claim 1, wherein the magnet is an electromagnet.

7. The catalytic converter of claim 2, wherein the magnet is an electromagnet.

8. The catalytic converter of claim 2, wherein the first shell surrounds the second shell.

9. The catalytic converter of claim 8, wherein the heater is ~~a plurality of heaters are~~ arranged within the second shell. ~~in the external shell with a first heater arranged near the inlet port and a second heater arranged near the outlet port.~~

10. The catalytic converter of claim 3, wherein the heater is arranged within the internal shell.

11. The catalytic converter of claim 4, wherein the honeycomb filter comprises metallic material.

12. The catalytic converter of claim 11, wherein the metallic material comprises a noble metal.

13. The catalytic converter of claim 3, wherein the magnet is an electromagnet.

14. The catalytic converter of claim 4, wherein the magnet is an electromagnet.

15. The catalytic converter of claim 1, wherein the catalytic converter is a component of a vehicle exhaust system.

16. ~~4.~~ The catalytic converter of claim 1, wherein the catalytic converter is coupled to a smoke stack~~further comprising a disrupter plate arranged adjacent the at least one heater~~.

17. ~~5.~~ The catalytic converter of claim 2, wherein~~1, further comprising a filter arranged within~~ the catalytic converter~~external shell between the inlet port and the outlet port that~~ is a component~~at least one~~ of a vehicle~~coated and sprayed with noble metals to aid in maintaining an internal temperature of the catalytic converter.~~

~~6. An~~ exhaust system.~~, comprising:~~

18. The~~a~~ catalytic converter ~~that includes a housing in which an electric heating element is at least partially arranged and in which a filter is arranged that has a metallic coating and includes a plurality of metal rods extending therethrough;~~

~~a selective catalytic reduction system that includes a housing in which an electric heating element is at least partially arranged and in which a filter is arranged that has a metallic coating and includes a plurality of metal rods extending therethrough; and~~

~~a muffler.~~

~~7. The exhaust system~~ of claim 2~~6~~, wherein the catalytic converter is coupled to a smoke stack~~includes a first filter and a second filter arranged therein~~.

19. The catalytic converter of claim 3, wherein the catalytic converter is a component of a vehicle exhaust system.

20. The ~~8. The exhaust system of claim 6, wherein the housing of the catalytic converter includes a first housing and a second housing that is spaced from and arranged within the first housing and the catalytic converter further comprises a plurality of magnets arranged between the first housing and the second housing.~~

~~9. The exhaust system of claim 6, wherein the filter of the selective catalytic reduction system includes a plurality of magnets arranged therein.~~

~~10. The exhaust system of claim 6, wherein the muffler includes a housing and a plurality of plates that have a metallic coating and are spaced from each other within the housing.~~

~~11. An exhaust system, comprising:~~

~~a~~ catalytic converter ~~that includes a housing in which an electric heating element is at least partially arranged and in which a filter is arranged that has a metallic coating and includes a plurality of metal rods extending therethrough;~~

~~a diesel particulate filter that includes a housing in which an electric heating element is at least partially arranged and in which a filter is arranged that has a metallic coating and includes a plurality of metal rods extending therethrough;~~

~~a selective catalytic reduction system that includes a housing in which an electric heating element is at least partially arranged and in which a filter is arranged that has a metallic coating and includes a plurality of metal rods extending therethrough; and~~

~~a muffler.~~

~~12. The exhaust system~~ of claim 3~~11~~, wherein the ~~housing of the~~ catalytic converter is coupled to a smoke stack~~includes a first housing and a second housing that is spaced from and arranged within the first housing and the catalytic converter further comprises a plurality of magnets arranged between the first housing and the second housing~~.

21.

~~13. The~~ catalytic converter~~exhaust system~~ of claim 4~~11~~, wherein the catalytic converter is~~filter of the diesel particulate filter and the filter of the selective catalytic reduction system each include~~ a component of a vehicle exhaust system~~plurality of magnets arranged therein~~.

22. ~~14.~~The catalytic converter~~exhaust system~~ of claim ~~4~~11~~1~~, wherein the catalytic converter is coupled to~~muffler includes a housing and~~ a smoke stack. ~~plurality of plates that have a metallic coating and are spaced from each other within the housing.~~