is configured as an annular pipe.

4. The gasification furnace according to claim 1, wherein the cooling water inlet is positioned in a lower portion of the inner shell, and the cooling water outlet is positioned in an upper portion of the inner shell.

5. The gasification furnace according to claim 1, wherein the outer shell comprises:

an upper cover;

a lower cover; and

a straight cylinder defining two ends connected with the upper cover and the lower cover respectively.

6. The gasification furnace according to claim 1, wherein the lower end of the gas guiding pipe is extended below a liquid level of cooling water in the lower shell.

7. The gasification furnace according to claim 1, wherein the cooler is an annular plate and the water outlet is configured as an annular and flat slot extended in a circumferential direction of the annular plate.

8. The gasification furnace according to claim 1, wherein the cooler is an annular plate, and an opening direction of the water outlet of the cooler is oriented towards or away from a center axis of the annular plate in a horizontal direction.

9. The gasification furnace according to claim 1, wherein the cooler is an annular plate, and an opening direction of the water outlet of the cooler is inclined downward and oriented towards or away from a center axis of the annular plate.

10. The gasification furnace according to claim 1, the positioning member comprises:

an annular trough mounted on the ~~outer~~ bottom wall of the outer shell around the outer shell outlet and defining an annular groove; and

an annular insertion plate defining an upper end mounted on an outer bottom wall of the inner shell around the inner shell outlet and a lower end inserted into the annular groove.

11. The gasification furnace according to any one of claims 1-10, further comprising:

a cooling panel having a cooling panel passage, a cooling panel water inlet and a cooling panel water outlet which are communicated with the cooling panel passage respectively, wherein an upper end of the cooling panel is connected with the outer bottom wall of the outer shell, the cooling panel is fitted over the gas guiding pipe so as to define a gas discharging space therebetween, and the gas discharging port is communicated with an upper portion of the gas

is configured as an annular pipe.

4. The gasification furnace according to claim 1, wherein the cooling water inlet is positioned in a lower portion of the inner shell, and the cooling water outlet is positioned in an upper portion of the inner shell.

5. The gasification furnace according to claim 1, wherein the outer shell comprises:

an upper cover;

a lower cover; and

a straight cylinder defining two ends connected with the upper cover and the lower cover respectively.

6. The gasification furnace according to claim 1, wherein the lower end of the gas guiding pipe is extended below a liquid level of cooling water in the lower shell.

7. The gasification furnace according to claim 1, wherein the cooler is an annular plate and the cooler water outlet is configured as an annular and flat slot extended in a circumferential direction of the annular plate.

8. The gasification furnace according to claim 1, wherein the cooler is an annular plate, and an opening direction of the cooler water outlet of the cooler is oriented towards or away from a center axis of the annular plate in a horizontal direction.

9. The gasification furnace according to claim 1, wherein the cooler is an annular plate, and an opening direction of the cooler water outlet of the cooler is inclined downward and oriented towards or away from a center axis of the annular plate.

10. The gasification furnace according to claim 1, the positioning member comprises:

an annular trough mounted on the inner bottom wall of the outer shell around the outer shell outlet and defining an annular groove; and

an annular insertion plate defining an upper end mounted on an outer bottom wall of the inner shell around the inner shell outlet and a lower end inserted into the annular groove.

11. The gasification furnace according to any one of claims 1-10, further comprising:

a cooling panel having a cooling panel passage, a cooling panel water inlet and a cooling panel water outlet which are communicated with the cooling panel passage respectively, wherein an upper end of the cooling panel is connected with the outer bottom wall of the outer shell, the cooling panel is fitted over the gas guiding pipe so as to define a gas discharging space therebetween, and the gas discharging port is communicated with an upper portion of the gas