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Imig

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(54) **STARTUP BURNER ASSEMBLY FOR RECOVERY BOILER AND METHOD**

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F23D 14/78	(2006.01)
F23C 5/06	(2006.01)
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CPC ***F23Q 13/04*** (2013.01); ***F23C 5/06*** (2013.01); ***F23D 14/46*** (2013.01); ***F23D 14/78*** (2013.01); ***F23D 91/02*** (2015.07)

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See application file for complete search history.

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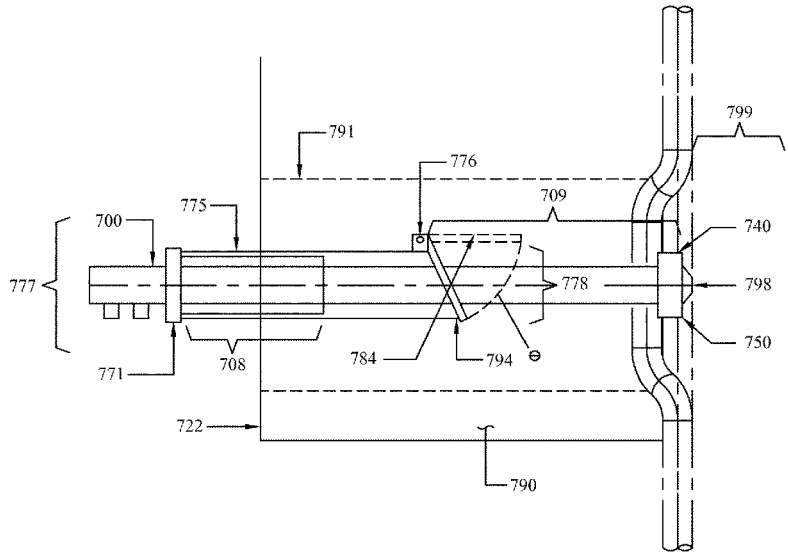
(57) **ABSTRACT**

The present disclosure describes a recovery boiler startup burner assembly that can mitigate the harmful effects of smelt fouling, airflow interference, and operator exposure to hot air from the furnace and win box through use of an extractable startup burner and an isolation chamber engaged to a windbox. The present disclosure also describes a method for safely extracting a startup burner from an active recovery boiler as has method for inserting an extractable startup burner into a recovery boiler during operation.

10 Claims, 8 Drawing Sheets