

ABSTRACT OF THE DISCLOSURE

STAGED COMBUSTION SYSTEM WITH IGNITION-ASSISTED FUEL LANCES

5 Combustion system comprising a furnace having a thermal load and a
combustion atmosphere disposed therein; one or more fuel lances adapted to inject fuel
into the combustion atmosphere; and one or more igniters associated with the one or
more fuel lances and adapted to ignite the fuel injected by the one or more fuel lances
into the combustion atmosphere.

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Figure 1

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