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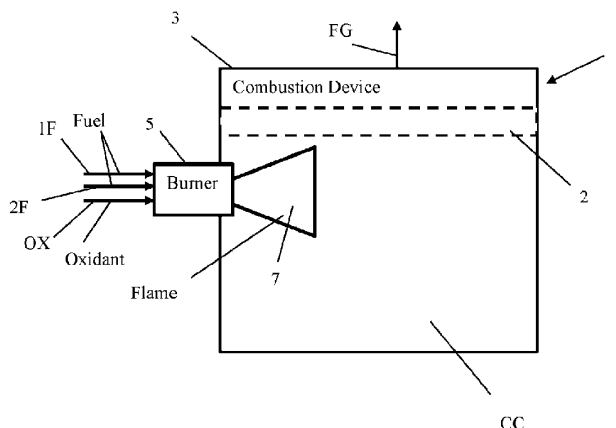


FIG. 1

(57) Abstract: Burners having the flexibility to change the heat input from multiple fuels can be configured to facilitate stable flame formation with low nitrous oxide (NOx) emissions. Processes of combustion that can be utilized via one or more burners can provide for improved flame formation that can provide reduced NOx emissions as well. Embodiments can be configured for use in ammonia cracker implementations, reforming applications, metal remelt furnace applications, as well as other furnace applications and/or combustor applications.

[Continued on next page]

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