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[Continued on next page]

(54) Title: METHOD FOR CONVERTING CARBON AND HYDROCARBON CRACKING AND APPARATUS FOR HYDRO-CARBON CRACKING

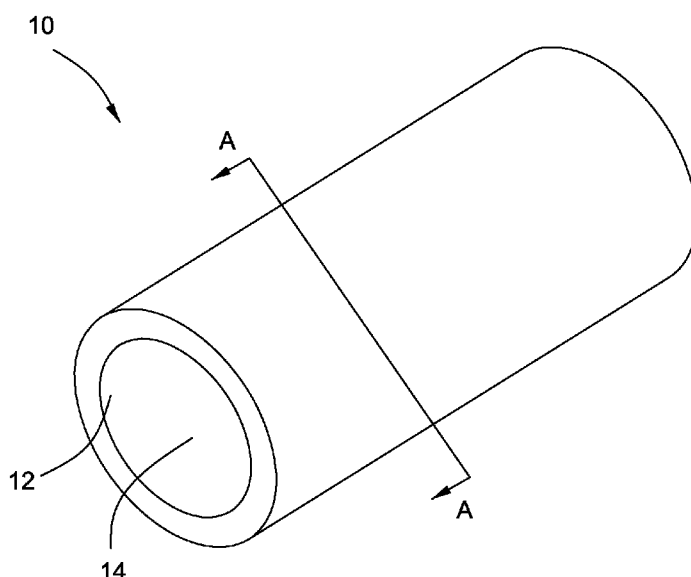


FIG. 3

(57) Abstract: A method for converting carbon into a carbon oxide, comprises: contacting carbon with steam in presence of a carnegieite-like material of formula $(\text{Na}_2\text{O})_x\text{Na}_2[\text{Al}_2\text{Si}_2\text{O}_8]$, wherein $0 < x \leq 1$. Method and apparatus for hydrocarbon cracking are also described herein.



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