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(54) Title: FUEL AND COMBUSTIBLE MIXTURE USED AS A SUBSTITUTE FOR FOSSIL FUELS IN THERMOELECTRIC POWER PLANTS, INDUSTRIAL AND CENTRAL HEATING FURNACES

(57) Abstract: Present Invention discloses new combustible mixture and fuel, which during burning releases energy 15 times greater than that of lignite and 4-5 times than that of coke. The combustible mixture consists of the liquid and solid phases, where the solid phase comprises: aluminium powder; at least one M^1X_2 , where M^1 can be any metal in oxidation state +2, and X can be any halogen; M^2CO_3 , where M^2 can be any two-valent metal; zinc ammonia chloride, SiO_2 in the form of quartz sand; and quick lime; whereas the liquid matter comprises: at least one C_1 to C_6 carboxylic acid, or at least one anhydride of the mentioned carboxylic acids, or at least one its ester or amide; methylcellulose; and formaldehyde, or its commercially accessible solution - formalin; and water. Fuel is made when the combustible mixture is hermetically closed in a container. The Invention also presents both the energy production method and the use of the invented fuel.

