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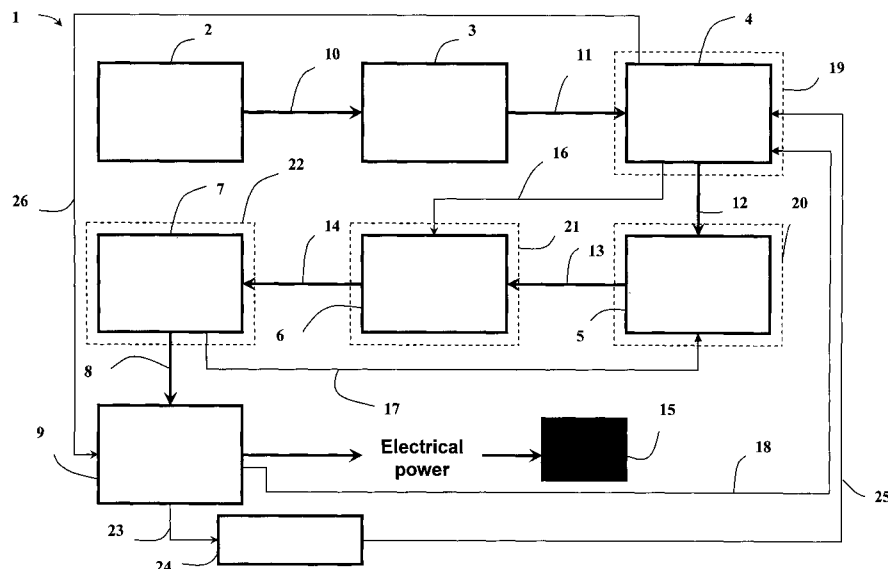


Figure 1

(57) Abstract: System (1) and method of integrated waste management, comprising the use of a source (2) of a combustible waste material, a separator (3) for separating the combustible waste material from a recyclable material, an airless drier (4) for drying the combustible waste material to generate a pyrolysis feedstock, and a pyrolyser (5) for pyrolysing the pyrolysis feedstock to form char and pyrogas. A system and method for power generation comprising the waste management system or method according to the invention, further comprising the use of an oxidiser (7) for the high-temperature oxidation of syngas generated from the pyrolysis feedstock to generate heat for power production.

