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(54) Title: METHOD FOR DRIVING MACHINES IN AN ETHYLENE PLANT STEAM GENERATION CIRCUIT, AND INTEGRATED ETHYLENE AND POWER PLANT SYSTEM

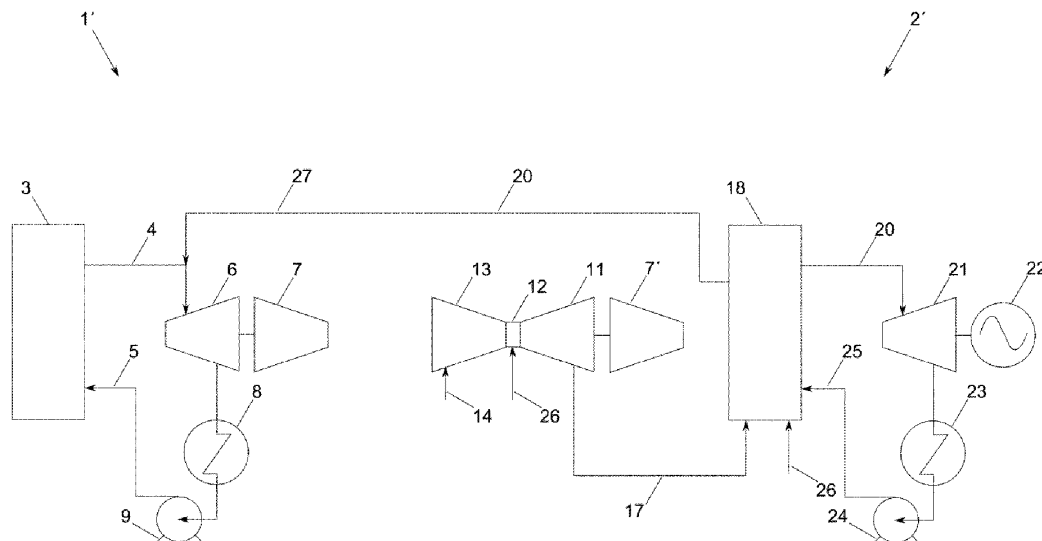


Figure 2

(57) Abstract: Method for driving machines, for example process compressors, in an ethylene plant steam generation circuit, the method including the steps of: - recovering heat as high pressure steam from a cracking furnace; - providing said high pressure steam to at least one steam turbine, wherein the steam turbine is configured to drive a machine, such as a process compressor; - condensing at least part of the high pressure steam in a condenser; - pumping condensed steam as boiler feed water back to the cracking furnace.

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