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(54) Title: SYSTEM AND METHODS CONFIGURED TO ENABLE IMPROVED/OPTIMISED CONTROL OF A HYDROCARBON PYROLYSIS PROCESS

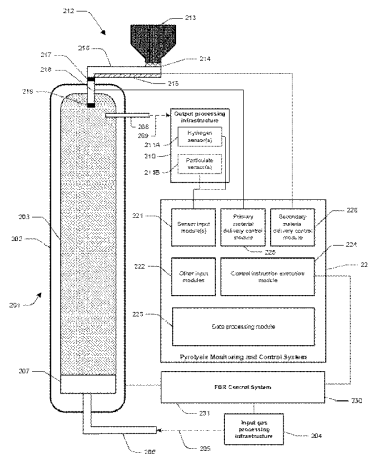


Figure 2

204 Infrastructure de traitement de gaz d'entrée
206 Infrastructure de traitement de sortie
211A Capteur(s) d'hydrogène
211B Capteur(s) de particules
220 Système de surveillance et commande de pyrolyse
221 Module(s) d'entrée de capteur
222 Autres modules d'entrée
223 Module de traitement de données
224 Module d'exécution d'instruction de commande
225 Module de commande de distribution de matériau principal
226 Module de commande de distribution de matériau secondaire
230 Système de commande FBR

(57) Abstract: The present invention relates, in various embodiments, to system and methods configured to enable improved/optimised control of a hydrocarbon pyrolysis process. Embodiments have been developed for implementation in a context of hydrocarbon gas pyrolysis systems in which there is a reactor subsystem having a reactor chamber in which a hydrocarbon gas is decomposed in presence of a conductive particulate material.

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