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(71) Applicant (for US only): SHELL USA, INC. [US/US];
P.O. BOX 576, Houston, Texas 77001-0576 (US).

(71) Applicant (for all designated States except US): SHELL
INTERNATIONALE RESEARCH MAATSCHAPPIJ
B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 The
Hague (NL).

(72) Inventors: HUIZENGA, Pieter; Grasweg 31, 1031 HW
Amsterdam (NL). SIGAUD, Julien; Grasweg 31, 1031 HW
Amsterdam (NL).

(74) Agent: REYES, Priscilla T.; SHELL USA, INC., P.O.
BOX 576, Houston, Texas 77001-057 (US).

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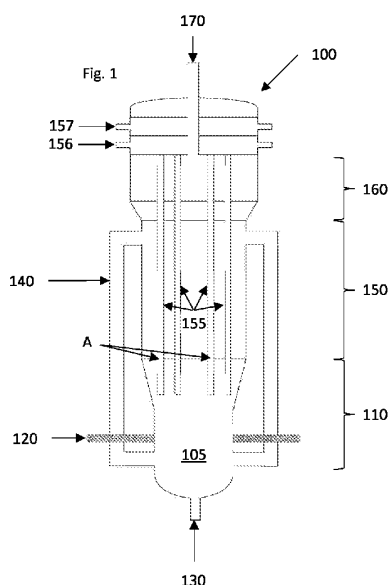
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(54) Title: A METHOD OF SUBJECTING A BIOMASS FEEDSTOCK TO HYDROLYSIS



(57) Abstract: The present invention relates to a method of subjecting a biomass feedstock to hydrolysis, the method at least comprising the steps of : a) supplying a biomass feedstock and a fluidizing gas comprising hydrogen to a bulk reactor zone of a fluidized bed reactor containing a deoxygenating catalyst; b) subjecting the biomass feedstock in the bulk reactor zone of the fluidized bed reactor to a hydrolysis reaction by contacting the biomass feedstock with the deoxygenating catalyst in the presence of the fluidizing gas, thereby obtaining a hydrolysis reactor output comprising at least one non-condensable gas, a partially deoxygenated hydrolysis product and char; wherein the bulk reactor zone is cooled by means of a cooling fluid flowing through a plurality of tubes running through the bulk reactor zone, the plurality of tubes having inlets into and outlets from the bulk reactor zone; and wherein the cooling fluid flowing in the tubes at the point ('A') where the biomass feedstock enters the bulk reactor zone has a temperature of at least 320° C, preferably at least 340° C, more preferably at least 350° C, even more preferably at least 370° C, yet even more preferably at least 380° C.

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