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(54) Title: IMPROVED BIOMASS PRETREATMENT PROCESS

(57) Abstract: The process for the treatment of ligno-cellulosic biomass comprises the steps of: A) Soaking a ligno-cellulosic biomass feedstock in vapor or liquid water or mixture thereof in the temperature range of 100 to 210°C for 1 minute to 24 hours to create a soaked biomass containing a dry content and a first liquid; B) Separating at least a portion of the first liquid from the soaked biomass to create a first liquid stream and a first solid stream; wherein the first solid stream comprises the soaked biomass; and C) Steam exploding the first solid stream to create a steam exploded stream comprising solids and a second liquid.

