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(54) Title: CONTINUOUS BINDER LIQUID AGGLOMERATION SYSTEM

(57) **Abstract:** The present invention relates to an agglomeration system according to the invention comprising an air-drying system (10), and a pre-wetting unit (1). The pre-wetting unit comprises a powder inlet (11) and a powder outlet (12), a continuous mixer (13) and a first steam nozzle (14) for injecting steam into the continuous mixer (13). The agglomeration system also comprises a connection element (7) connecting the powder outlet (12) to a inlet (8), and a fluidization unit (2) comprising the inlet (8) and an outlet (16), and conveying means (15) for receiving powder from the pre-wetting unit powder outlet (12) via the connection element (7). Also comprised in the system according to the invention is a second steam nozzle (3) comprising a powder inlet (17) for receiving the pre-wetted powder, a steam injection orifice arranged for spraying steam onto the pre-wetted powder at a powder outlet (19). Furthermore, comprised in the agglomeration system according to the invention is a binder nozzle (4) arranged below the second steam nozzle (3), and comprising a supply pipe (6) adapted to spray liquid binder with compressed air into the powder at the powder outlet (19) of the second steam nozzle (3), and injecting agglomerated powder from outlet (19) into the air-drying system (10). The invention also relates to a method making use of the agglomeration system.

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