

Title (en)

METHOD AND INSTALLATION FOR HEAT RECOVERY IN FLUIDISED BED GRANULATION

Title (de)

VERFAHREN UND ANLAGE ZUR WÄRMERÜCKGEWINNUNG BEI DER FLIESSBETTGRANULATION

Title (fr)

PROCÉDÉ ET SYSTÈME DE RÉCUPÉRATION DE CHALEUR LORS DE LA GRANULATION EN LIT FLUIDISÉ

Publication

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Application

EP 18701022 A 20180118

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Abstract (en)

[origin: WO2018137995A1] The present invention relates to a method for producing fertiliser granules by fluidised bed granulation in a fluidised bed granulator (17), in which air that is used for the fluidisation in the fluidised bed is sucked in by means of a line (18) and is heated before entering the fluidised bed granulator (17), wherein hot exhaust air occurs in the process, emanating from the fluidised bed granulator, and according to the invention at least a partial stream of the hot exhaust air is returned and used for the fluidisation. This creates the possibility of using the thermal energy contained in the exhaust air and reducing the heating energy necessary for heating the fresh air for the fluidisation. The returned air may be cleaned, for example by means of a cyclone separator (21), in order to separate out solid particles before the cleaned exhaust air is combined with the fresh air.

IPC 8 full level

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