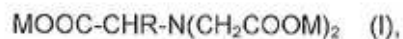


Abstract

Process for the preparation of a spray powder comprising one or more glycine-N,N-diacetic acid derivatives and use of the spray powder for producing compression agglomerates

- 5 A process is proposed for the preparation of a spray powder comprising one or more glycine-N,N-diacetic acid derivatives of the general formula (I)



- 10 with the meaning

R is C₁₋₁₂-alkyl and

M is alkali metal,

15

starting from an aqueous solution comprising the one or more glycine-N,N-diacetic acid derivatives which is spray-dried with the introduction of air, wherein

- the aqueous solution comprises the one or more glycine-N,N-diacetic acid derivatives in a fraction of $\geq 84\%$ by weight, based on the total weight of the dry mass, and
- 20 - the spray-drying takes place in a drying apparatus to which the aqueous solution and the air are passed cocurrently, with a temperature gradient between the aqueous solution and the air in the range from 70 to 350°C, and
- in the drying apparatus the aqueous solution is atomized into fine liquid droplets by
- 25 feeding it onto one or more disks which rotate at a peripheral speed of ≥ 100 m/s, or by compressing it by means of a pump to a pressure of ≥ 20 bar absolute and, at this pressure, feeding it into the drying apparatus via one or more jets.

No suitable figure