

[54] **AGGLOMERATING POWDERED PRODUCTS**

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[57] **ABSTRACT**

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A process for agglomerating powdered materials in which the materials are discharged from the aperture of a conduit while simultaneously a stream of an aqueous medium is discharged codirectionally with the particulate material and in a course encircling the aperture with a second aqueous stream being discharged in an encircling course around the particulate material stream within the conduit at a location upstream of the aperture. A nozzle for agglomerating powdered materials, especially food products, which comprises at least two annular steam inlets into a central duct through which the material is passed also is disclosed. Other features of the invention appear in the specification and drawings.

[21] Appl. No.: **182,357**

Related U.S. Application Data

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[52] U.S. Cl. **239/8**

[51] Int. Cl. **A01n 17/02, A62c 1/12**

[58] Field of Search **239/1, 8, 9, 10**

[56] **References Cited**

UNITED STATES PATENTS

2 Claims, 2 Drawing Figures

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