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(54) Title: SPRAY DRYING METHODS AND COMPOSITIONS THEREOF

(57) Abstract: A method and apparatus are provided for atomizing a liquid under dispersal conditions suitable for spray drying at a commercial plant scale. In one embodiment, a liquid atomizer has a structural body adapted for connection with a spray dryer and a plurality of atomizing nozzles. Each of the atomizing nozzles includes a liquid nozzle adapted to disperse a supply of liquid and a gas nozzle adapted to disperse a supply of gas. In another embodiment, a process for producing a powder blend of at least two target substances in a single processing step is provided.