

COMPOSITE GRANULATOR

ABSTRACT

5 The present invention provides a composite granulator comprising a temporary feed storage bin, multiple layers of multiple sets of roller mills, a case body for installing the roller mills, and a granulator bracket. Each set of roller mills is also equipped with swivel joints, cleaning blades and corresponding transmission systems, baffle plates and guide plates, wherein, a waste gas evacuating connector is provided in the case body of the first
10 layer of roller mills, a granulator air inlet is provided in the granulator bracket; angle iron is disposed on roller shafts to strip hard foreign matters; toothed roller shafts of a second layer of roller mills of the granulator have a tooth face linear velocity and a volume flow rate which are greater than those of toothed roller shafts of the first layer of roller mills; and a tooth face linear velocity and a volume flow rate of the toothed roller shafts of an
15 adjacent lower layer of roller mills are designed according to volumetric features of materials located in this area. The granulator is simple and reasonable in structure, and makes creamy materials, pasty materials, slurry materials and cake materials be directly transformed into monomer materials which have dried materials and crackles and are mutually non-sticky so as to realize that moisture in materials is maximally brought to
20 surfaces, and thus the drying effect of the materials is greatly improved.

Fig. 1 accompanies the abstract.