

A Method and an Apparatus for Feeding Food Material,
an Apparatus for Thereby Extruding Bar-like Double-layered Food Material,
and an Apparatus for Enveloping Food Material

Abstract

This invention relates to an apparatus for feeding material that can reduce pressure pulsations of food material in an exit-side flow path, when a vane pump, which is used to supply the exit-side flow path with the food material, such as a steamed bean-jam bun or a bean-paste, continuously supplies the exit-side flow path with the food material. Further, it relates to the provision of an apparatus for extruding bar-like double-layered food material and an apparatus for enveloping a bean-paste, which apparatus uses the apparatus for feeding material.

The apparatus for feeding food material is comprised of a vane pump to supply the food material to an exit-side flow path, and a controlling apparatus to control the vane pump. Since the depression of the pressure of the food material in the exit-side flow path is compensated for by periodically controlling the rate of rotation of the vane pump, it is possible to reduce the pressure pulsations of food material. Consequently, it is possible to inhibit the pulsating flow of the bar-like double-layered food material continuously extruded from a double nozzle that communicates with the exit-side flow path, and to reduce the variations of the weight of the enveloped food products, which are cut from the bar-like double-layered food material by a cutting apparatus.

Fig. No. 2