

ABSTRACT OF THE DISCLOSURE

For manufacture of solid fuels by solidifying processing-object materials containing plastics, waste paper and waste wood, the processing-object materials inputted through an input port 12 are subjected to water injection so that their water content becomes 15 wt% or more, preferably 20 wt% or more, and then kneaded, compacted and extruded in three turns or less, being extruded from molding nozzles 53 of an end face plate 5.

The water injection is performed by a water injection nozzle 31 from the input port 12 into a casing 11. Opening and closing of a solenoid valve 33 interposed on a water injection pipe 32 adjoining the water injection nozzle 31 is controlled based on a signal S1 derived from a temperature sensor 55 provided at a molding nozzle 53 of the end face plate. Such disadvantages as inflammation due to excessively high temperatures of the processing-object materials or worsened shape retention of solidified materials due to excessively low temperatures of the processing-object materials can be prevented.