

ABSTRACT

An apparatus and a method for removing residual monomers from a slurry containing a polyvinyl chloride while preventing degradation of the polyvinyl chloride and deterioration of its quality are provided, the apparatus comprises a cylindrical tower 46 which has plural perforated plates 32 to 38 provided in a vertical direction in the tower, plural chambers formed on the perforated plates serving as their bottom surface, slurry introducing portions 19 to 24 provided at two or more of the chambers described above, flow-down sections 13 to 18 provided between the perforated plates so as to allow the slurry to sequentially flow down from the perforated plate of an upper chamber to the perforated plate of a lower chamber, a steam introducing port 10 provided at a bottom portion of the tower, a deaerating port 11 provided at a top portion of the tower, a slurry discharging port 12 provided at a chamber below a chamber having the slurry introducing port described above, and hot water ejecting means 25 to 31 provided directly under the perforated plates described above and directed at least toward the lower surface of the perforated plates described above, wherein the apparatus is constructed so that the slurry introducing pipe 48 described above is connected to slurry introducing port 50 through on-off valve 49 and the inside diameter of the slurry introducing pipe 48 is progressively enlarged to 1.2 times or more toward the slurry introducing port 50.