

Process and apparatus for removing volatile substances from highly viscous media

A b s t r a c t

An evaporator apparatus (1) for the treatment of viscous media and a process for evaporating volatile components from polymer solutions or polymer melts are described. The evaporator apparatus (1) consists at least of a feed chamber (2) having a perforated tray (3), a tube-bundle heat exchanger (4) connected thereto and having perpendicularly arranged tubes (8) and a devolatilization chamber (5) connected thereto and having a discharge unit (6) for the product and a vapour take-off (7) for removing volatile components, the tubes (8) of the heat exchanger (4) having a rectangular cross section over the greatest part of their longitudinal dimension.

(Fig. 4)