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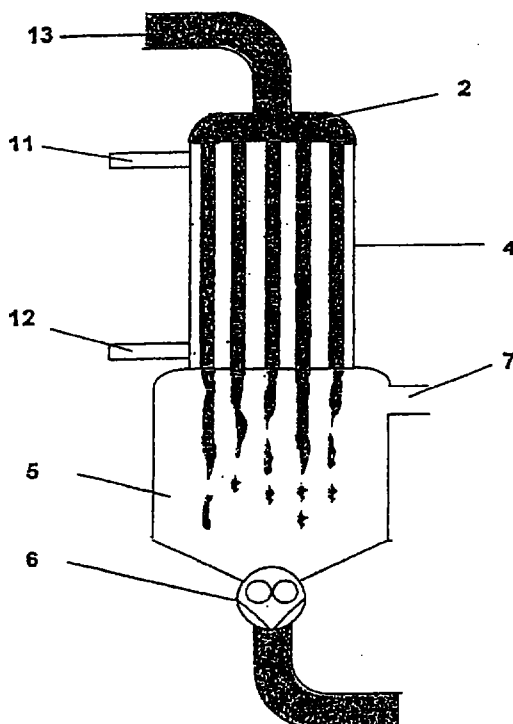
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(54) Title: METHOD AND DEVICE FOR THE ELIMINATION OF VOLATILE SUBSTANCES FROM HIGH-VISCOUS MEDIA

(54) Bezeichnung: VERFAHREN UND VORRICHTUNG ZUR ENTFERNUNG VON FLÜCHTIGEN SUBSTANZEN AUS HOCHVISKOSEN MEDIEN



(57) Abstract: Disclosed is an evaporating apparatus (1) for treating viscous media and a method for evaporating volatile components from polymer solutions or melts. Said evaporating apparatus (1) comprises at least one delivery chamber (2) that is provided with a perforated bottom (3), a shell-and-tube heat exchanger (4) which is connected thereto and encompasses vertical tubes (8) and a degassing chamber (5) located adjacent thereto. Said degassing chamber (5) is provided with a discharging unit (6) for the product and a vapor escape (7) for eliminating volatile components. The tubes (8) of the heat exchanger (4) have a rectangular or elliptic cross section along the major portion of the longitudinal extension thereof.

(57) Zusammenfassung: Es wird eine Verdampfvorrichtung (1) zur Behandlung viskoser Medien und ein Verfahren zur Verdampfung flüchtiger Bestandteile aus Polymerlösungen oder -schmelzen beschrieben. Die Verdampfvorrichtung (1) besteht wenigstens aus einer Zuleitungskammer (2) mit Lochboden (3), einem daran angeschlossenen Rohrbündelwärmetauscher (4) mit senkrecht angeordneten Rohren (8) und einer an diesen anschließenden Entgasungskammer (5) mit einer Austrageinheit (6) für das Produkt und einem Brüdenabzug (7) für die Entfernung flüchtiger Bestandteile, wobei die Rohre (8) des Wärmetauschers (4) auf dem größten Teil ihrer Längsausdehnung einen rechteckförmigen oder elliptischen Querschnitt aufweisen.

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