

**A PROCESS AND APPARATUS FOR OBTAINING PARAFFINS
OR PARAFFIN FRACTIONS**

Abstract

A process for fractional crystallisation of paraffin from mineral oil based and synthetic crude paraffin, wherein crude paraffin having a high oil content is crystallised in a crystalliser equipped with perforated metal sheets (31) extending in a zigzag in the spaces between the heat exchanger surfaces (39). The paraffin-containing melt is only solidified to an extent such that the fractions and oils for discharge remain liquid and are run off without total solidification of the melt. The perforated sheets (31) support the layers of crystals (43) and during sweating the paraffin is detached in strips from the heat exchanger surface (39) and is adapted to rest on the sloping perforated sheets (31). The inclination of the perforated sheets (31) guides and moves the paraffin strips (53), so that the paraffin strips remain in contact with the heat exchanger surfaces (39) while being pressed by their own weight along the inclined surface (30) towards the heat exchanger surfaces (39).

Figure 7