

Abstract

DECANTER CENTRIFUGE

5 The invention relates to a decanter centrifuge comprising a scroll conveyor rotatable around a preferably horizontal axis of rotation mounted substantially concentrically within a rotating bowl (1), the scroll conveyor comprising a hub (8) and at least one helical winding, the hub (8) including an inside surface and an outside surface, at least one passageway between the inside surface and the outside surface of the scroll conveyor, a feed pipe (3) in the center of the scroll hub (8). It is characterized in
10 a number of nozzles (10) provided extending from the inside of the feed chamber (4) to the outside wherein on the inside surface of the scroll hub (8) and between the nozzles (10) around the circumference there are provided accelerator inserts (16). The invention also relates to a feed chamber (4) for such a decanter centrifuge. This
15 invention results in a new feed chamber for the scroll with high efficiency, smooth product acceleration, wear protection and easy maintenance.

(Fig. 1)