

Title (en)
A CYCLONE SEPARATOR.

Title (de)
ZYKLONSEPARATOR.

Title (fr)
SEPARATEUR A CYCLONE.

Publication
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Application
EP 93915089 A 19930629

Priority
• SE 9300592 W 19930629
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Abstract (en)
[origin: WO9400242A1] The present invention relates to a cyclone separator for separating substances from a fibre-liquid-suspension, particularly a paper clip suspension. The separator includes a main part (3) which has an inner, conical chamber (4) which is provided with an essentially tangentially directed inlet at the wider end (5) of the chamber. The chamber (3) tapers conically downwards and the inner surface of the chamber has a screw-like configuration. This screw-like configuration includes a first upper surface or flank (1) and a second lower surface or flank (2), wherein the flank (1) that faces towards the wider end of the chamber defines an angle (alpha) with the chamber centre line and the second flank (2) which faces towards the narrower end (6) of the chamber defines an angle (tau) with the first flank (1). The second flank (2) and its extension form together with the first flank (1) of the nearest underlying helix of the screw-like configuration a triangle which has a line that extends through the apex of the nearest underlying part of the helix or helical screw-thread and which extends parallel with the chamber centre line.

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