

Title (en)  
Hydrocyclone plant

Title (de)  
Hydrozyklonanlage

Title (fr)  
Installation à hydrocyclones

Publication  
**EP 1087055 A1 20010328 (DE)**

Application  
**EP 00116473 A 20000729**

Priority  
DE 29916596 U 19990921

Abstract (en)  
A hydrocyclone installation with multiple hydrocyclones (1), each having a feed (2), a liquid product outlet (3) and a solids discharge outlet-connection (4), comprises a distribution device (5) for directing / taking off liquid , to / from, the individual hydrocyclones (1). The distribution device (5) has a flow section enclosed by a preferably cylindrical wall (7), with apertures (11) provided for the liquid feed (2) and product outlet (3) connections or for the solids rejection connection (4). The distribution (5) also contains a divider plate (9) which controls the flow area of the distribution device, and the feed connection is positioned upstream of, and the product (3) or rejection (4) connections are positioned to discharge downstream of the divider plate. The flow direction (6) is normally vertically upwards within the distribution section (5) and the divider plate (9) is arranged at an angle of 60 - 90 degrees to the flow direction.

Abstract (de)  
Die Hydrozyklonanlage besteht aus mehreren Hydrozyklonen (1), die an eine Verteil- und Sammelvorrichtung (5) angeschlossen sind. Dabei besteht die Verteil- und Sammelvorrichtung (5) aus einer in sich geschlossenen zylindrischen Seitenwand (7) mit den Öffnungen (11, 12) zum Anschluss der Hydrozyklone. Sie weist eine Trennwand (9) auf, welche den Strömungsquerschnitt der Verteil- und Sammelvorrichtung (5) so verschließt, dass stromaufwärts ein Zulaufanschluss (2) und stromabwärts der Gutstoffanschluss (3) oder Rejektanschluss (4) münden. <IMAGE>

IPC 1-7  
**D21D 5/24**; **B04C 5/28**

IPC 8 full level  
**B04C 5/28** (2006.01); **D21D 5/24** (2006.01)

CPC (source: EP)  
**B04C 5/28** (2013.01); **D21D 5/24** (2013.01)

Citation (search report)  
• [DX] EP 0658648 A2 19950621 - SCHULTZ HANS JOACHIM [DE]  
• [DX] US 4267048 A 19810512 - OHISHI SABURO

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