

Title (en)
Hydrocyclone plant

Title (de)
Hydrozyklonanlage

Title (fr)
Installation à hydrocyclones

Publication
EP 1087055 B1 20041013 (DE)

Application
EP 00116473 A 20000729

Priority
DE 29916596 U 19990921

Abstract (en)
[origin: EP1087055A1] 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.

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)

Cited by
US9909333B2; US9885194B1; US10767382B2; US9885196B2; US9896858B1; US10156083B2; US10253517B2; US10557278B2;
US11236523B2

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