

Title (en)

Hydrocyclone for removing impurities from a liquid

Title (de)

Hydrozyklon zum Entfernen von Störstoffen aus einer Flüssigkeit

Title (fr)

Hydrocyclone pour enlever des contaminants d'un liquide

Publication

**EP 1065310 B1 20040121 (DE)**

Application

**EP 00113319 A 20000623**

Priority

DE 19930088 A 19990630

Abstract (en)

[origin: US6398969B1] Hydrocyclone and process for removing foreign substances from a liquid to be cleaned. The hydrocyclone includes at least one inlet for the liquid to be cleaned, at least one accepted stock outlet for the cleaned liquid, and at least one reject opening for foreign substances removed from the liquid to be cleaned. The at least one reject opening includes at least one stoppage-hazard zone, and a color layer is coupled to an exterior wall of the hydrocyclone. The color layer changes appearance in accordance with different temperatures. The process includes introducing the liquid to be cleaned into a hydrocyclone through at least one inlet, discharging cleaned liquid from the hydrocyclone through at least one accepted stock outlet, and discharging the foreign substances from the hydrocyclone through at least one reject opening. The process also includes detecting one of a potential and an actual stoppage in a stoppage-hazard zone of the at least one reject opening by monitoring a color change of a color layer coupled to an exterior wall of the hydrocyclone.

IPC 1-7

**D21D 5/24**; B04C 11/00

IPC 8 full level

**B04C 11/00** (2006.01); **D21D 5/24** (2006.01)

CPC (source: EP US)

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