Title (en)

HYDROCYCLONES

Publication

EP 0137084 A3 19860219 (EN)

Application

EP 83306210 A 19831013

Priority

EP 83306210 A 19831013

Abstract (en)

[origin: EP0137084A2] A small hydrocyclone (maximum vortex chamber diameter in the range 7 to 14 mm), particularly for use in separating starch from a starch-containing feedstock, has a feed passage (7) leading via a volute (8) into the vortex chamber (3, 4) of the hydrocyclone. The feed passage (7) is formed so that its hydraulic radius (i.e. the ratio of the cross-sectional area of the feed passage to the peripheral extent of the cross-section) is in the range 5.7 to 6.5% of the diameter of the vortex chamber. By this means the feed energy requirements of the hydrocyclone for achieving a given separating efficiency are reduced.

IPC 1-7

B04C 5/081; B04C 5/02; B04C 5/00

IPC 8 full level

B04C 5/00 (2006.01); **B04C 5/02** (2006.01); **B04C 5/081** (2006.01)

CPC (source: EP)

B04C 5/00 (2013.01); **B04C 5/02** (2013.01); **B04C 5/081** (2013.01)

Citation (search report)

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