

Title (en)

Noncircular rejects outlet for cyclone separator.

Title (de)

Nichtringförmiger Rückstandsauslass für Zyklonabscheider.

Title (fr)

Sortie des rejets non-circulaire pour séparateur cyclone.

Publication

EP 0080036 A2 19830601 (EN)

Application

EP 82108633 A 19820918

Priority

US 32283181 A 19811119

Abstract (en)

The use of rejects outlets (16, 17) in vortex separators having internal walls which gradually transform a circular cross-section into openings which are noncircular in cross-section has been found to be effective in controlling the rejects rate and the thickening factor of the separators while maintaining effective cleaning efficiencies without plugging problems. The rejects outlets (16, 17) may be fabricated as replaceable tips or may be integrally formed with the cyclone bodies.

IPC 1-7

B04C 5/14

IPC 8 full level

B04C 5/14 (2006.01); **D21D 5/24** (2006.01)

CPC (source: EP)

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Cited by

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Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0080036 A2 19830601; **EP 0080036 A3 19850522**; BR 8206317 A 19830920; CA 1203779 A 19860429; ES 517475 A0 19831101; ES 8400256 A1 19831101; FI 69410 B 19851031; FI 69410 C 19860210; FI 823961 A0 19821118; FI 823961 L 19830520; JP H0322220 B2 19910326; JP S5889958 A 19830528

DOCDB simple family (application)

EP 82108633 A 19820918; BR 8206317 A 19821029; CA 409983 A 19820824; ES 517475 A 19821118; FI 823961 A 19821118; JP 18266982 A 19821018