

Title (en)
Cyclonic separating apparatus

Title (de)
Zyklonabscheidevorrichtung

Title (fr)
Appareil séparateur cyclonique

Publication
EP 0923992 B1 20030702 (EN)

Application
EP 98310373 A 19981217

Priority
GB 9726659 A 19971217

Abstract (en)
[origin: EP0923992A2] Cyclonic separating apparatus comprising a cyclone (114) for effecting cyclonic separation and a tangential inlet for supplying fluid to the cyclone (114), the tangential inlet having at least two points of entry (152) into the interior of the cyclone (114). Each point of entry consists of a longitudinal slot (152) located in the cyclone for directing fluid into the cyclone in a tangential manner and each slot has a vane (154) for directing fluid through the respective slot. Providing two or more points of entry (152) to the interior of the cyclone (114) effectively spreads the inlet over a greater proportion of the circumference of the cyclone (114). The dimensions of the apparatus (110) can therefore be reduced and, furthermore, losses due to friction can be minimised. <IMAGE>

IPC 1-7
B04C 5/04

IPC 8 full level
A47L 9/16 (2006.01); **B04C 5/04** (2006.01)

CPC (source: EP)
A47L 9/1633 (2013.01); **A47L 9/165** (2013.01); **B04C 5/04** (2013.01)

Cited by
CN110822478A; EP1842475A1; GB2362341A; GB2362341B; GB2374032A; GB2374032B; FR2810528A1; GB2363744A; GB2363744B; GB2435626A; GB2435626B; EP1674026A3; US7744667B2; US6546593B2; US6502278B2; US8176597B2; WO03033164A1; US7794515B2; US7803205B2; US7678166B2; US7722693B2; US7771499B2; US9392919B2; US10986968B2; US11700986B2

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