

Title (en)
CYCLONE SEPARATOR

Publication
EP 0346747 A3 19910227 (DE)

Application
EP 89110281 A 19890607

Priority
DE 8807792 U 19880615

Abstract (en)
[origin: EP0346747A2] Cyclone separator, the cyclone housing of which has an upper cylindrical housing section (1), into which an intake channel (2) leads and into which an immersion tube (3) for carrying away the clean gas stream projects, and a conical funnel section (4) connecting downwards to the cylindrical housing section, which funnel section has a downward, open connection to a solid-collecting container (5). In order to increase the degree of separation and at the wall of the funnel section (4) as far as possible not to stir up again the solid particles flowing downward into the solid-collecting container (5), a hollow solid discharge duct (6) which is arranged concentrically to the cyclone axis projects into the funnel section (4) and into the gas-tight solid-collecting container (5), said duct being constructed inside the funnel section (4) as an upwardly tapering cone and being open with respect to the funnel section (4) and to the solid-collecting container (5). <IMAGE>

IPC 1-7
B04C 5/181; **B04C 5/185**

IPC 8 full level
B04C 5/14 (2006.01); **B04C 5/181** (2006.01); **B04C 5/185** (2006.01)

CPC (source: EP)
B04C 5/14 (2013.01); **B04C 5/181** (2013.01); **B04C 5/185** (2013.01)

Citation (search report)
• [X] DE 936488 C 19551215 - BARTH WALTER DR-ING
• [X] GB 711394 A 19540630 - CONTROLLED HEAT AND AIR LTD
• [XP] DE 8807792 U1 19881215
• [A] GB 667963 A 19520312 - HUMPHREYS & GLASGOW LTD
• [Y] SOVIET INVENTIONS ILLUSTRATED, Woche 8847, 11. Januar 1989, Zusammenfassung Nr. 88-336217/47, J01, Derwent Publications Ltd, London, GB; & SU-A-1393 486 (GRADUS LYA) 07-05-1988

Cited by
CN108434787A; GB2390989A; GB2390989B; WO0145853A1; WO9606683A1; US11007542B2

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