

Title (en)

High temperature cyclone separator for gasification system.

Title (de)

Hochtemperatur-Zyklonabscheider für Vergasungssystem.

Title (fr)

Séparateur cyclone à haute température pour système de gazéification.

Publication

EP 0094098 A1 19831116 (EN)

Application

EP 83104682 A 19830511

Priority

US 37752582 A 19820512

Abstract (en)

In a cyclone separator for use in a carbonaceous material gasification system a porous inner shell (24) is disposed in an outer shell (22) and is cooled by transpiration of a cooling gas flowing through the inner shell (24) into the inner shell cavity (36) into which gas containing carbonaceous particulate material is discharged through a tangential inlet (26) for separation of the particulate material from the gas.

IPC 1-7

B04C 5/10; **B04C 5/20**; **B04C 5/22**; **C10J 3/84**

IPC 8 full level

B04C 5/10 (2006.01); **B04C 5/20** (2006.01); **B04C 5/22** (2006.01); **C10J 3/84** (2006.01)

CPC (source: EP KR)

B04C 1/00 (2013.01 - KR); **B04C 5/10** (2013.01 - EP); **B04C 5/20** (2013.01 - EP); **B04C 5/22** (2013.01 - EP); **C10J 3/74** (2013.01 - EP); **C10J 3/76** (2013.01 - EP); **C10J 3/78** (2013.01 - EP); **C10J 3/84** (2013.01 - EP)

Citation (search report)

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EP 83104682 A 19830511; AU 1397783 A 19830427; CA 427784 A 19830510; ES 522283 A 19830511; IN 509CA1983 A 19830427; JP 8244583 A 19830510; KR 830002048 A 19830512; ZA 833021 A 19830428