

Title (en)
CYCLONE SEPARATION APPARATUS

Title (de)
ZYKLONABSCHEIDEVORRICHTUNG

Title (fr)
APPAREIL SÉPARATEUR À CYCLONE

Publication
EP 2255709 A4 20121107 (EN)

Application
EP 09723103 A 20090319

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Abstract (en)
[origin: EP2255709A1] Problem to be Solved Disclosed is a cyclone dust collection apparatus that can maintain the material targeted for collection in a firmly compressed state even when the compression force is released. Means of Solving the Problem Disclosed is a cyclone separation apparatus that is equipped with a collection container with a roughly cylindrical interior surface, wherein, by causing air drawn in from an air inlet disposed in the circumferential direction in the periphery of the collection container to spiral along the roughly cylindrical interior surface, and then discharging the air from the center of the collection container through a filter means, the relatively large material targeted for collection and contained in the air is collected at the bottom of the collection container and the relatively small material targeted for collection is collected in the filter means, and wherein the cyclone separation apparatus is equipped with a spiral curved surface inside the collection container centered around the vertical central shaft of the collection container, and is equipped with a compression member that can rotate around the vertical central shaft.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [XI] JP S5568553 U 19800512
• [Y] JP 2002192018 A 20020710 - YOSHIKOU KK
• [YD] US 2006053757 A1 20060316 - HAN JUNG-GYUN [KR], et al
• [A] GB 2388561 A 20031119 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
• See references of WO 2009116611A1

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