

Title (en)  
CYCLONE DUST COLLECTOR

Title (de)  
ZYKLON-STAUBSAMMELVORRICHTUNG

Title (fr)  
COLLECTEUR DE POUSSIERE A CYCLONE

Publication  
**EP 1121044 B1 20040929 (EN)**

Application  
**EP 00905439 A 20000222**

Priority  
• KR 0000139 W 20000222  
• KR 19990006152 A 19990224  
• KR 19990020278 A 19990602

Abstract (en)  
[origin: WO0049932A1] Disclosed is a cyclone dust collector which separates the dust from the air utilizing a centrifugal force. The cyclone dust collector can smoothly separate the dust from the air by increasing a rotary power of the air during the introduction of the air into a collector body as well as prevent a suction impossibility due to entrance of foreign matters. To accomplish the above, the cyclone dust collector comprises: a collector body; an inlet pipe formed integrally with the collector body for sucking the dust-laden air; an outlet pipe for discharging the introduced air outwardly from the collector body; a dust outlet formed on the opposite side of the inlet pipe portion for discharging the dust contained in the air; and a cyclonic swirling part both disposing on an air introducing portion in the collector body and having a screw type vane to rotate the dust-laden air introduced into the collector body.

IPC 1-7  
**A47L 9/16**

IPC 8 full level  
**A47L 9/10** (2006.01); **A47L 9/16** (2006.01)

CPC (source: EP)  
**A47L 9/104** (2013.01); **A47L 9/1608** (2013.01); **A47L 9/1683** (2013.01)

Cited by  
US10517449B2; US11484164B2; EP2389849B1

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**WO 0049932 A1 20000831**; AU 2697700 A 20000914; DE 60014311 D1 20041104; DE 60014311 T2 20051103; EP 1121044 A1 20010808; EP 1121044 A4 20020417; EP 1121044 B1 20040929

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