

Title (en)

Suction device and separator using same

Title (de)

Absaugvorrichtung und diese verwendende Trennvorrichtung

Title (fr)

Dispositif d'aspiration et séparateur utilisant ledit dispositif

Publication

EP 1072800 A2 20010131 (EN)

Application

EP 00115911 A 20000725

Priority

- JP 21265999 A 19990727
- JP 2000210883 A 20000712

Abstract (en)

A suction device utilizing a vortex flow of gas such as compressed air comprises a casing having a conical body formed with a conical inner peripheral surface having a small diameter side end to which a suction port is formed and at least one nozzle member provided for the conical body so as to jet gas inside the conical body along the inner conical surface thereof as a vortex flow of gas. The suction device may further comprise a cover member formed to the conical body so as to cover a large diameter side end of the conical body, the cover member having a side portion to which a discharge port is formed. The suction device is preferably utilized for a separator for selectively separating bags and films from other rubbishes during the conveyance thereof on a conveyer. <IMAGE>

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F04F 5/42; **B07B 4/00**

IPC 8 full level

B07B 4/00 (2006.01); **F04F 5/42** (2006.01)

CPC (source: EP)

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Citation (applicant)

JP H09966 A 19970107 - KUBOTA KK

Cited by

CN113492104A; CN110238053A; AU2007203145B2; EP1875971A3; US8016115B2; US10456863B2

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