Title (en)

PICK-UP HEAD HAVING A RE-CIRCULATING AIR SYSTEM FOR A MOBILE SWEEPING VEHILCLE

Title (de)

AUFNAHMEKOPF MIT UMLUFTSYSTEM FÜR EIN MOBILES KEHRFAHRZEUG

Title (fr)

TÊTE DE RAMASSAGE AYANT UN SYSTÈME D'AIR DE RECYCLAGE POUR BALAYEUSE MOBILE

Publication

EP 2203603 A2 20100707 (EN)

Application

EP 08834422 A 20080925

Priority

• CA 2008001667 W 20080925
• US 97551007 P 20070926

Abstract (en)

[origin: WO2009039624A2] A pick-up head for a mobile sweeping vehicle comprises a housing defining a substantially hollow interior and having a front, a back, a left end and a right end, a top and a bottom, a suctioning bottom opening for suctioning dust and small debris into the substantially hollow interior of the housing. There is at least one re-circulating air inlet for receiving a flow of air into the housing, and a dust and debris outlet in the housing for permitting dust and debris to be suctioned from the substantially hollow interior of the housing into a hopper. A blower fan has an air inlet and an air outlet. The air outlet is connected in fluid communication to the at least one re-circulating air inlet of the housing for providing a source of high velocity re-circulating air for introduction to the housing. The air inlet is operatively connected in fluid communication to the dust and debris outlet of the housing for removing debris-laden air therefrom. There is a selectively operable motor for operating the fan means.

IPC 8 full level

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CPC (source: EP US)

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