

Title (en)

Pre-cleaner for use on an internal-combustion engine.

Title (de)

Vorabscheider für eine Brennkraftmaschine.

Title (fr)

Préfiltre pour un moteur à combustion interne.

Publication

**EP 0541857 B1 19950712 (EN)**

Application

**EP 91202918 A 19911111**

Priority

EP 91202918 A 19911111

Abstract (en)

[origin: EP0541857A1] An air cleaning arrangement (22) for use on an agricultural harvesting machine (1), which is operated in surroundings contaminated with airborne impurities and which is provided with an internal-combustion engine (10), comprises a primary cleaner element (24), operable to clean small-size contaminations (e.g. dust particles) from the intake air, and a pre-cleaning element (26) installed upstream of the primary cleaner element (24). The pre-cleaning element comprises a perforated, outer body portion or screen (42), which is operable to clean larger contaminations (e.g. chaff, straw particles, leaves etc...) from said intake air when passing therethrough, and an outlet conduit (48) in operative communication with the primary cleaner element (24). The pre-cleaning element (26) further comprises a perforated, inner body (52) in the form of an upwardly extending tube through which the intake air is urged when flowing from said outer body portion (42) towards said outlet conduit (46), in a manner such that the intake air is uniformly aspirated over the total surface of the perforated, outer screen (42). <IMAGE>

IPC 1-7

**F02M 35/024**

IPC 8 full level

**F02M 35/024** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)

**F02M 35/024** (2013.01); **F02M 35/10013** (2013.01); **F02M 35/164** (2013.01)

Cited by

US11125192B2; US10746141B2; US11536232B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0541857 A1 19930519**; **EP 0541857 B1 19950712**; DE 69111240 D1 19950817; DE 69111240 T2 19951123

DOCDB simple family (application)

**EP 91202918 A 19911111**; DE 69111240 T 19911111