



(12) **United States Patent**
Viglione et al.

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(54) **CAB AIR FILTRATION SYSTEM FOR AGRICULTURAL MACHINES**

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 115 days.

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(57) **ABSTRACT**

A cab air treatment apparatus for an agricultural machine includes an external air inlet, a filtration system, an air conditioning system, and a cab air supply outlet. The filtration system includes, in order: a first filter, a second filter, upstream of which is arranged a bypass valve for selectively putting the adsorption filter, or a bypass branch arranged in parallel with the second filter, in communication with the system, a blower for providing a desired pressurization downstream of the cab air supply outlet, and a deflecting valve having a main outlet connected to the air conditioning system, and a discharge outlet for cleaning the filtration system, said outlets being operable alternatively to one another.

3 Claims, 4 Drawing Sheets

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B60H 3/06 (2006.01)

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(58) **Field of Classification Search**

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See application file for complete search history.

