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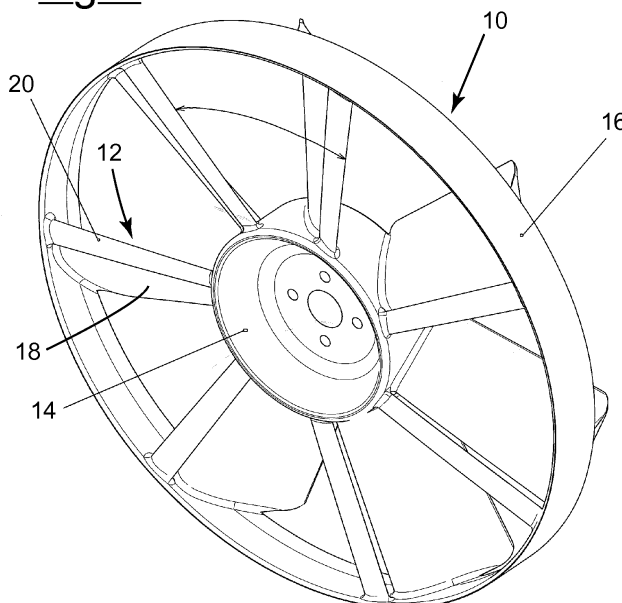
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(54) **Axial fan for cooling the underhood of a farm machine**

(57) Herein described is an axial fan for cooling the underhood of a farm machine, of the type made up of a rotor (10) provided with a plurality of blades (12) with a wing profile and a substantially radial development constrained against the central hub (14) of the rotor (10) at one of their first ends. Each blade (12) is made up of a first element or main profile (18) and by at least a second

element or flap (20) arranged in proximity to the inlet edge (18') of the first element or main profile (18). A blading profile of such type allows pitch setting the blades with considerable angles of attack and obtaining high dynamic values, avoiding the occurrence of separations of the boundary layer from the top layer of the blade profile itself at the same time.

Fig. 1





EUROPEAN SEARCH REPORT

Application Number
EP 08 16 2261

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			F01P F04D F01D
Place of search		Date of completion of the search	Examiner
Munich		4 October 2012	de Martino, Marcello
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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