

Title (en)

Pump, especially for concentrated fibrous suspensions.

Title (de)

Pumpe, insbesondere für konzentrierte Fasersuspensionen.

Title (fr)

Pompe notamment pour suspensions fibreuses concentrées.

Publication

EP 0600820 A1 19940608 (FR)

Application

EP 93490022 A 19931125

Priority

FR 9214872 A 19921204

Abstract (en)

According to the invention the pump includes a hollow shaft and a device for drawing off gas which is connected to this hollow shaft; what is more it includes at least one propeller (7), the blades (11, 11') of which are provided on their suction face (17, 30) with at least one discharge orifice which is connected to the device for drawing off gas by means of the hollow shaft. Preferably each blade (11) is hollow and includes an internal suction chamber (26) which emerges, on the one hand, into the internal recess (18) of the hollow shaft and, on the other hand, into multiple orifices (28) formed on the suction face (17). <IMAGE>

Abstract (fr)

Selon l'invention la pompe comporte un arbre creux et un dispositif de soutirage de gaz qui est connecté à cet arbre creux, de plus elle comporte au moins une hélice (7) dont les pâles (11,11') sont pourvues sur leur extrados (17,30) d'au moins un orifice d'évacuation qui est relié au dispositif de soutirage de gaz par l'intermédiaire de l'arbre creux. De préférence chaque pale (11) est creuse et comporte une chambre interne d'aspiration (26) qui débouche d'une part dans l'évidement intérieur (18) de l'arbre creux et d'autre part dans des orifices multiples (28) pratiqués sur l'extrados (17). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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