

Title (en)
ROTARY FAN WITH ENCAPSULATED MOTOR ASSEMBLY

Title (de)
DREHLÜFTER MIT EINGEKAPSELTEN MOTORBAUGRUPPE

Title (fr)
VENTILATEUR TOURNANT À MOTEUR ENCAPSULÉ

Publication
EP 2004998 A2 20081224 (EN)

Application
EP 07760383 A 20070410

Priority
• US 2007066310 W 20070410
• US 40176906 A 20060411

Abstract (en)
[origin: US2007237656A1] A fan assembly, such as a rotary axial fan assembly, is disclosed with a shroud that is adapted to be mounted proximate to a heat exchanger. The shroud is sized for conveying a flow of fluid through the heat exchanger and the shroud. A stator fan blade extends inward from the shroud for supporting a hub generally central within the shroud. A motor stator is encapsulated within the hub for receiving a fan rotor and fan blades for forcing the flow of fluid through the heat exchanger and the shroud. The hub may be formed from a thermally conductive material for transferring heat from the motor stator into the flow of fluid for dissipating the heat.

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