

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 July 2004 (22.07.2004)

PCT

(10) International Publication Number
WO 2004/060703 A1

(51) International Patent Classification⁷: **B60H 1/32**
(21) International Application Number:
PCT/US2003/039757

(74) Agent: **HABELT, William, W.**; Carrier Corporation, Intellectual Property Department, Carrier Parkway, P.O. Box 4800, Syracuse, NY 13221 (US).

(22) International Filing Date:
12 December 2003 (12.12.2003)

(81) Designated States (*national*): BR, CN, IN, KR, SG.

(25) Filing Language: English

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(26) Publication Language: English

(30) Priority Data:
10/321,763 17 December 2002 (17.12.2002) US

Published:

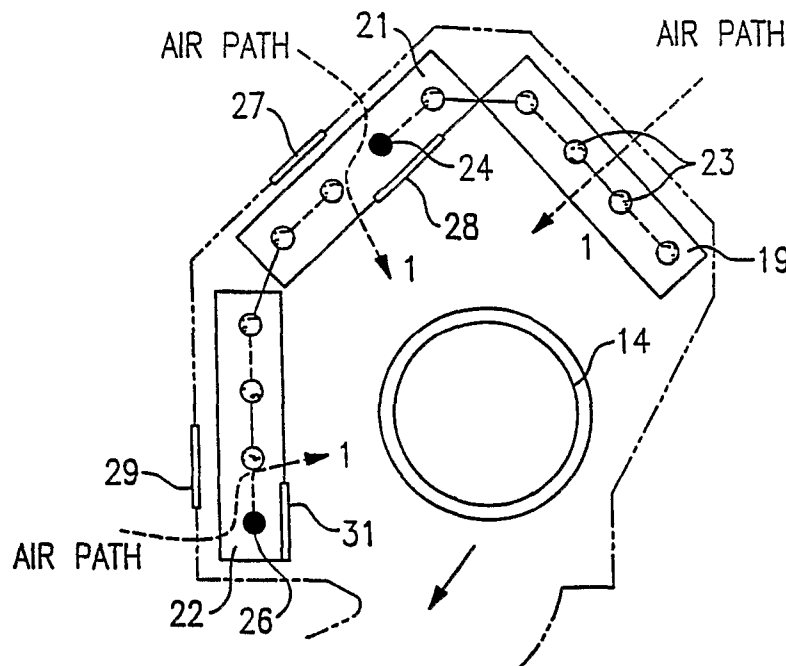
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(71) Applicant: **CARRIER CORPORATION** [US/US]; Carrier Parkway, P.O. Box 4800, Syracuse, NY 13221 (US).

(72) Inventors: **REPICE, Christopher, G.**; 137 Eagle crest Drive, Camillus, NY 13031 (US). **SACKS, Paul, S.**; 15 South Ten Eyck Avenue, Cazenovia, NY 13035 (US).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EVAPORATEUR FOR AIRCONDITIONING



(57) Abstract: In a single row evaporator coil having a last tube receiving refrigerant in a superheated condition, at least one baffle is provided to divert the flow of air passing over the superheat tube such that it also passes over a nonsuperheat tube so that air can be dehumidified by the cooling effect of the nonsuperheat tube prior to the air being passed downstream.

WO 2004/060703 A1