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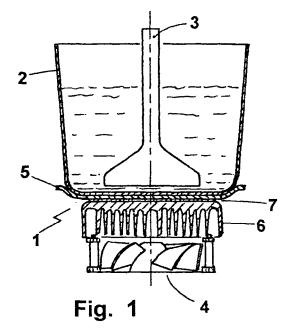
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(54) Heater mixer device

(57) A device formed by a sandwich heat exchanger (1), by a container (2) made of heat-conducting material for housing the products to be heated and mixed, by a fan assembly (4) with which to accelerate heat exchang-

es and particularly the cooling of the heated products and by an agitator element (3), with the heat exchanger (1) formed by a tray (5) made of heat conducting material constituting the heating base, by a radiating assembly (6) with fins and by an electric heater (7).





EUROPEAN SEARCH REPORT

Application Number EP 07 42 5464

	DOCUMENTS CONSID	ERED TO BE RELEVANT]
Category		ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Υ	US 5 363 746 A (GOR 15 November 1994 (1 * column 1, line 16 * column 7, line 11 * column 10, line 9 * figures 4,11 *	994-11-15) - line 30 * - line 23 *	1-7	INV. H05B3/22 B01F7/16 B01F15/06
Υ	WO 97/47931 A (ATOM 18 December 1997 (1 * page 4, line 16 - * page 7, line 20 - * figures 1,2 *	997-12-18) line 33 *	1-7	
Υ	[US]) 22 July 2004	LEYENDECKER KURT PHILIP (2004-07-22) - paragraph [0052] *	1-7	
Υ	EP 0 133 844 A (GAG 6 March 1985 (1985- * column 4, line 34 * figure 5 *	03-06)	1-7	TECHNICAL FIELDS SEARCHED (IPC)
Υ	UPADHYE SHILPA M [UWE) 1 May 2003 (200 * page 5, line 10 -	DHYE SHASHANK S [US]; S]; THOMAS ADAM S [US]; 3-05-01) line 25 * - page 14, line 2 *	1-7	B01F F24C A47J F25D A21B
Y			1-7	
	The present search report has	-/ Deen drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	The Hague	31 March 2009	Rea	al Cabrera, Rafael
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anotiment of the same category nological background written disclosure rediate document	T : theory or principle E : earlier patent doo after the filing date	underlying the i ument, but publi the application r other reasons	nvention shed on, or

EPO FORM 1503 03.82 (P04C01)

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EUROPEAN SEARCH REPORT

Application Number EP 07 42 5464

Category	Citation of document with indication of relevant passages	on, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Υ	US 2006/277924 A1 (PLAT 14 December 2006 (2006- * paragraph [0049] - pa * figures 5,6 *	TKIN ROBERT [US]) -12-14) aragraph [0053] *	1-7	
				TECHNICAL FIELDS SEARCHED (IPC)
	The present search report has been d	Date of completion of the search	Doc 1	Examiner Cabacaa Dafael
X : parti Y : parti docu	The Hague ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another ument of the same category	31 March 2009 T: theory or principl E: earlier patent do after the filling dat D: document cited i L: document cited if	Use underlying the invectors the invectors of the comment, but published the comment of the application or other reasons	ed on, or
O : non	nological background -written disclosure rmediate document	& : member of the sa document		orresponding

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 07 42 5464

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

31-03-2009

US 5363746 A 15-11-1994 NONE WO 9747931 A 18-12-1997 BR 9709699 A 10-08-
CA 2257959 A1 18-12- EP 0904516 A1 31-03- JP 3930568 B2 13-06- JP 2000514170 T 24-10- MX PA98010537 A 16-08- US 5720171 A 24-02- US 2004140304 A1 22-07-2004 NONE EP 0133844 A 06-03-1985 CA 1228238 A1 20-10- DE 3463112 D1 21-05- DK 365584 A 02-02- ES 8600607 A1 16-01- NO 843076 A 04-02- PT 79004 A 01-08- US 4540288 A 10-09- WO 03036193 A 01-05-2003 CA 2463810 A1 01-05- US 2003074903 A1 24-04- US 2004194470 A1 07-10- US 2008209912 A1 04-09-
EP 0133844 A 06-03-1985 CA 1228238 A1 20-10- DE 3463112 D1 21-05- DK 365584 A 02-02- ES 8600607 A1 16-01- NO 843076 A 04-02- PT 79004 A 01-08- US 4540288 A 10-09- WO 03036193 A 01-05-2003 CA 2463810 A1 01-05- US 2003074903 A1 24-04- US 2004194470 A1 07-10- US 2008209912 A1 04-09-
DE 3463112 D1 21-05- DK 365584 A 02-02- ES 8600607 A1 16-01- NO 843076 A 04-02- PT 79004 A 01-08- US 4540288 A 10-09- WO 03036193 A 01-05-2003 CA 2463810 A1 01-05- US 2003074903 A1 24-04- US 2004194470 A1 07-10- US 2008209912 A1 04-09- US 6591615 B1 15-07-2003 BR 0203278 A 18-05-
US 2003074903 A1 24-04- US 2004194470 A1 07-10- US 2008209912 A1 04-09- US 6591615 B1 15-07-2003 BR 0203278 A 18-05-
US 6591615 B1 15-07-2003 BR 0203278 A 18-05-
SG 102058 A1 27-02- TW 255385 Y 11-01-
US 2006277924 A1 14-12-2006 W0 2006135805 A2 21-12-