



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification<sup>6</sup> :</b>  <b>A23L 1/236</b>	<b>A3</b>	<b>(11) International Publication Number:</b> <b>WO 95/17104</b>  <b>(43) International Publication Date:</b> 29 June 1995 (29.06.95)
<b>(21) International Application Number:</b> PCT/US94/14053 <b>(22) International Filing Date:</b> 7 December 1994 (07.12.94)  <b>(30) Priority Data:</b> 08/163,163            7 December 1993 (07.12.93)    US 08/350,658            7 December 1994 (07.12.94)    US  <b>(71) Applicant:</b> THE NUTRASWEET COMPANY [US/US]; Box 730, 1751 Lake Cook Road, Deerfield, IL 60015-5239 (US).  <b>(72) Inventors:</b> TSAU, Joseph; 15358 West Fair Lane, Libertyville, IL 60048 (US). DESAI, Nitin; 1012 North Meadow Lane, Mt. Prospect, IL 60056 (US). BRAY, Ronald, G.; 1303 Whitney Lane, Buffalo Grove, IL 60089 (US). AKASHE, Ahmed; 1668 Templeton, Mundelein, IL 60056 (US). MEYER, Frederick, A.; 913 North Patton, Arlington, IL 60004 (US). JOHNSON, Franklin; 101 Golfview, Lake Zurich, IL 60047 (US).  <b>(74) Agents:</b> BELL, Craig, M. et al.; Paul & Paul, 2900 Two Thousand Market Street, Philadelphia, PA 19103 (US).		<b>(81) Designated States:</b> AU, CA, FI, JP, KR, NO, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>  <b>(88) Date of publication of the international search report:</b> 21 September 1995 (21.09.95)
<b>(54) Title:</b> STABLE PARTICULATE SWEETENER COMPOSITIONS		
<b>(57) Abstract</b>  A stabilized encapsulated sweetener that is particularly useful in dry food and powdered beverage applications possesses excellent flow and dispersion characteristics. A stabilized dipeptide sweetener is prepared as an aqueous suspension and then mixed with a minor amount of a water soluble flow agent comprising food grade polymers, hydrocolloids and gums to form a suspension. The suspension is then blended with a solubilized encapsulation agent comprising maltodextrin, gum arabic, starches and mixtures thereof. This blend is then dried so that the maltodextrin or gum coats and encapsulates the aspartame/flow agent composition as a dry particulate powder.		

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US94/14053

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(6) :A23L 1/236 US CL :426/96, 548 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) U.S. : 426/92, 548		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) APS		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 3,761,288 (GLICKSMAN ET AL.) 25 SEPTEMBER 1973, See the Abstract; col. 1, line 62 to col. 2, line 3; col. 2, lines 12-20.	1-26
Y	US, A, 3,962,468 (PISCHKE ET AL.) 08 JUNE 1976, See the Abstract.	1-26
Y	US, A, 4,001,456 (GLICKSMAN ET AL.) 04 JANUARY 1977, See the Abstract and col. 2, lines 23-39.	1-26
Y	US, A, 4,007,288 (GLICKSMAN ET AL.) 08 FEBRUARY 1977, See the Abstract; col. 1, lines 53-62; col. 2, lines 13-30.	1-26
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 4,051,268 (SHIRES ET AL.) 27 SEPTEMBER 1977, See the Abstract and col. 2, lines 53-54.	1-26
Y	US, A, 4,059,706 (PISCHKE ET AL.) 22 NOVEMBER 1977, See the Abstract and col. 3, line 20 to col. 4, line 2.	1-26
Y	US, A, 4,139,639 (BAHOSHY ET AL.) 13 FEBRUARY 1979, See the Abstract and col. 4, lines 16-29.	1-26
Y	US, A, 4,384,004 (CEA ET AL.) 17 MAY 1983, See col.1, line 59 to col. 2, line 2; col. 3, lines 42 to 45; and col. 4, lines 3 to 7.	1-26