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Stipp

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[54] **INFUSION BEVERAGE PRODUCT COMPRISING CO-AGGLOMERATED CREAMER AND SWEETENER SUITABLE FOR BAG AND FILTER PACK BREWING**

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[51] **Int. Cl.**[6] **B65B 29/02**; A23F 5/24; A23F 3/18

[52] **U.S. Cl.** **426/78**; 426/285; 426/595; 426/433; 426/435

[58] **Field of Search** 426/77–84, 285, 426/594, 595, 433, 435

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,330,884	10/1943	Harriman .	
2,832,686	4/1958	Louder et al. .	
2,850,388	9/1958	Peebles et al. .	
2,977,203	3/1961	Sienkiewicz	23/313
3,080,235	3/1963	Hodson et al. .	
3,126,284	3/1964	Howerin .	
3,227,558	1/1966	Richmond .	
3,257,212	6/1966	Kasket .	
3,300,315	1/1967	Nava et al. .	
3,458,319	7/1969	Block et al. .	
3,493,388	2/1970	Hair .	
3,560,218	2/1971	Whelan .	
3,615,669	10/1971	Hair et al. .	
3,652,293	3/1972	Lombana et al. .	
3,653,911	4/1972	Mancuso et al. .	
3,706,572	12/1972	Einstman et al. .	
3,713,842	1/1973	Lubsen et al. .	
3,869,555	3/1975	Heonis	426/134
3,879,565	4/1975	Einstman et al.	426/302
3,892,867	7/1975	Schoonman	426/93
4,001,448	1/1977	Finucane et al.	426/285
4,022,916	5/1977	La Tour	426/285
4,025,659	5/1977	Cho et al.	426/613
4,076,847	2/1978	Johnson et al.	426/78
4,081,560	3/1978	Ishigaki	426/115
4,318,932	3/1982	Ewing et al.	426/285
4,338,338	7/1982	Popkes	426/82
4,338,349	7/1982	Franklin et al.	426/631
4,438,147	3/1984	Hedrick, Jr.	426/570
4,497,835	2/1985	Winston	426/72
4,554,167	11/1985	Sorge et al.	426/285
4,594,256	6/1986	Zemelman et al.	426/594
4,594,257	6/1986	Leblanc et al.	426/594
4,619,833	10/1986	Anderson	426/548
4,640,839	2/1987	Hsu	426/285
4,735,810	4/1988	Dacal	426/80
4,826,695	5/1989	Tanner	426/77
4,828,850	5/1989	Davis	426/77
4,891,232	1/1990	Dahl	426/78
4,913,916	4/1990	Tanner	426/80
4,975,292	12/1990	Loizzi	426/77
4,980,181	12/1990	Camp et al.	426/98
5,043,172	8/1991	Loizzi	426/77
5,047,252	9/1991	Liu et al.	426/79
5,051,269	9/1991	Noreille et al.	426/453
5,264,228	11/1993	Pray et al.	426/285
5,284,674	2/1994	Fazio	426/580
5,433,962	7/1995	Stipp	426/96

FOREIGN PATENT DOCUMENTS

75953/91	11/1991	Australia .
903148	6/1972	Canada .
959336	12/1974	Canada .
0052919	6/1982	European Pat. Off. .
109454	5/1984	European Pat. Off. .
0458310	11/1991	European Pat. Off. .
0574152A1	12/1993	European Pat. Off. .
556408	7/1923	France .
649630	8/1937	Germany .
237897	9/1943	Germany .
8203-277	4/1983	Germany .
247836	7/1987	Germany .
58-149642	9/1983	Japan .
59-028458	2/1984	Japan .
60-20971	5/1985	Japan .
93-03815	5/1993	Japan .
13690	of 1910	United Kingdom .
1301770	1/1973	United Kingdom .
2247001	2/1992	United Kingdom .

OTHER PUBLICATIONS

Harper, W. J.; *"Synthetic and Imitation Dairy Products"*; Synthetic and Imitation Dairy Products; vol. 22; pp. 465–498 No Date.

Pintauro, N. D.; *"Falling Curtain Process"* Agglomeration Techniques, Coffee Solubilization—Commercial Processes and Techniques; Noyes Data Corp.; 1975; pp. 177–209.

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[57] **ABSTRACT**

The present invention relates to an infusion product for making a beverage comprising an infusible material and a soluble additive material packaged in an infusion bag, wherein the soluble additive material comprises a co-agglomerate of a creamer base and a sweetener base. The present invention also relates to a process for making an infusion product comprising packaging an infusion material and a co-agglomerate of a creamer base and a sweetener base in an infusion bag. The present invention further relates to a method of preparing an individual serving of a beverage such as coffee, tea or the like, comprising immersing in a receptacle of hot water such an infusion product.

17 Claims, No Drawings