US005433962A

# United States Patent [19]

**Stipp**

[11] **Patent Number: 5,433,962**

[45] **Date of Patent: Jul. 18, 1995**

[54] **RAPIDLY SOLUBLE FLAVORED INSTANT COFFEE PRODUCT**

[75] Inventor: **Gordon K. Stipp**, Cincinnati, Ohio

[73] Assignee: **The Procter & Gamble Company**, Cincinnati, Ohio

[21] Appl. No.: **296,291**

[22] Filed: **Aug. 25, 1994**

[51] **Int. Cl.**[6] ..... **A23F 5/14**; A23F 5/12

[52] **U.S. Cl.** ..... **426/96**; 426/385; 426/594

[58] **Field of Search** ..... 426/594, 385, 96

[56] **References Cited**

U.S. PATENT DOCUMENTS

| | | | |
|---|---|---|---|
| 2,832,686 | 4/1958 | Louder et al. . | |
| 2,850,388 | 9/1958 | Peebles et al. . | |
| 2,977,203 | 3/1961 | Sienkiewicz et al. | 23/313 |
| 3,080,235 | 3/1963 | Hodson et al. . | |
| 3,227,558 | 1/1966 | Richmond . | |
| 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 |
| 3,892,867 | 7/1975 | Schoonman | 426/93 |
| 4,001,448 | 1/1977 | Finucane et al. | 426/285 |
| 4,022,916 | 5/1977 | La Tour | 426/285 |
| 4,076,847 | 2/1978 | Johnson et al. | 426/78 |
| 4,318,932 | 3/1982 | Ewing et al. | 426/285 |
| 4,338,349 | 7/1982 | Franklin et al. | 426/631 |
| 4,378,380 | 3/1983 | Scarpellino et al. | 426/594 X |
| 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 |
| 4,980,181 | 12/1990 | Camp et al. | 426/98 |
| 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 |

FOREIGN PATENT DOCUMENTS

| | | |
|---|---|---|
| 75953/91 | 11/1991 | Australia . |
| 109454 | 5/1984 | European Pat. Off. . |

OTHER PUBLICATIONS

Harper, W. J.; "Synthetic and Imitation Dairy Products"; Synthetic and Imitation Dairy Products; vol. 22; pp. 465–498.

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

*Primary Examiner*—Joseph Golian

*Attorney, Agent, or Firm*—Brahm J. Corstanje; Tara M. Rosnell

[57] **ABSTRACT**

The present invention relates to a flavored instant coffee product comprising a creamer base, a sweetener base, and a flavor base, wherein the creamer base is agglomerated to the sweetener base, and the flavor base is coated on the agglomerated creamer and sweetener bases, and wherein the flavor base comprises instant coffee and flavorings. The present invention further relates to a process for making such a flavored instant coffee product.

**18 Claims, No Drawings**