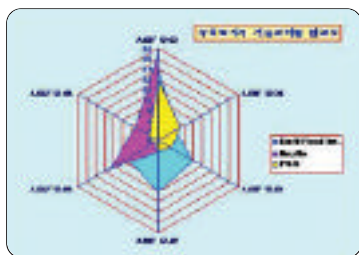


가

가



가

가

Kraft Foods, Inc

Publication number	Title	
US 4232598	Apparatus for the dearomatization of coffee oil	1978
US 4276315	Method for decaffeinating coffee	1979
US 4246291	Decaffeination of aqueous extracts	1979
US 4255461	Preparation of a decaffeinated roasted coffee blend	1979
US 4303686	Process for reducing acid content steamed coffee	1980
US 4201023	Soluble coffee process	1980
US 4313265	Process for preparing microporous structured soluble coffee product	1980
US 4341804	Decaffeination of aqueous roasted coffee extract	1980
US 4472442	Decaffeination process	1980
US 4472443	Aprotic solvent decaffeination	1980
US 4545998	Multi-phase liquid solvent decaffeination	1980
US 4349573	Low density coffee process	1980
US 4670278	Process for the condensation of a volatile-rich vapor stream	1981
US 4397873	Dark-colored freeze dried coffee	1982
US 4548827	Separate recovery of caffeine and coffee solids adsorbed on activated carbon	1982
US 4428970	Multi-colored freeze-dried coffee and a process for producing the same	1982
US 4446162	Decaffeination of a coffee extract	1982
US 4474820	Process for the preparation of soluble coffee	1982
US 4430353	Low-grade coffee	1982
US 4501761	Controlled coffee roasting	1982
US 4508745	Production of a mannan oligomer hydrolysate	1982
US 4521438	Coffee extract decaffeination method	1983
US 4481223	Decaffeination with treated activated carbon	1983
US 4547378	Roasted coffee extract decaffeination method	1983
US 4544567	Simultaneous coffee hydrolysis and oil extraction	1984
US 4505940	Non-caffeine solids recovery process	1984
US 4871564	Coffee aromatizing method	1984
US 4551344	Method for aromatizing soluble coffee	1984
US 4556575	Method for aromatizing soluble coffee	1984
US 4551345	Process for preparing a liquid aroma and aromatizing a dry coffee substrate with same	1984
US 4562083	Decaffeination of green coffee with n-butyl acetate	1984
US 4540591	Robusta coffee steaming, roasting and blending method	1984
US 4571339	Process for efficiently concentrating an aroma stream	1985
US 4594256	Product and process for producing an agglomerated instant coffee having a roast ground appearance	1985
US 4594257	Product and process using colloidal particles for producing an agglomerated instant coffee having a roast and ground appearance	1985
US 4594258	Product and Process using oil for Producing an agglomerated instant coffee having a roast and ground appearance	1985
US 4574089	Process for preparing a liquid coffee aroma	1985
US 4659577	Method for the decaffeination of roasted coffee extracts	1985
US 4707368	Process of steaming and percolating coffee	1985
US 4671964	Upgrading of low quality green coffee	1986
US 4767634	Coffee decaffeination with caffeic acid	1986
US 4737376	Coffee roasting method	1986
US 4798730	Hydrolysis of a partially extracted roasted and ground coffee	1987
US 4764391	Process for preparing and storing brewed beverages	1987
US 4794010	Process for the preparation of soluble coffee	1988
US 4820537	Method for decaffeinating coffee with a supercritical fluid	1988
US 4867992	Natural coffee flavor by fermentation	1988
US 4911941	Method for decaffeinating coffee with a supercritical fluid	1988
US 4919962	Coffee flakes and process	1988
US 4922812	Device for continuously decaffeinating raw coffee	1988
US 5132135	Process for preserving raw coffee extract	1988
US 4900575	Aroma recovery from the thermal hydrolysis of spent grounds	1989
US 4976983	Coffee product with reduced malic acid content	1989
US 4951561	Apparatus for fluid-solid bed processing	1989
US 5008125	Soluble coffee with aroma recovered from the thermal hydrolysis of spent grounds	1989
US 5043178	Method for the extraction of roasted and ground coffee	1990
US 5147674	Method for continuously decaffeinating raw coffee	1990
US 5474792	Gasified coffee product and process	1990
US 5035908	Evaporative process for producing coffee glass	1990
US 5266342	Method for decaffeinating coffee materials including a reverse osmosis permeate recycle	1990



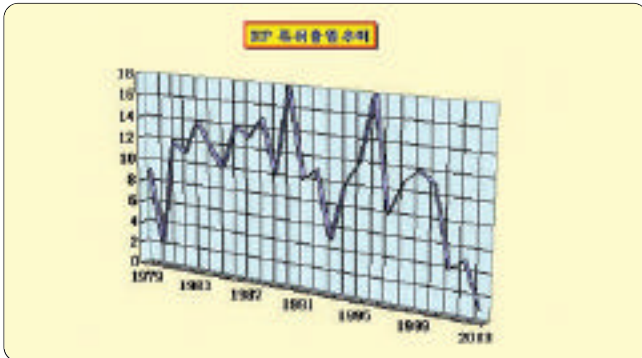
258 , EP
 가 US
 가 General Foods Corp., Nestac S.A.,
 The Procter & Gamble Co., Kraft Foods, Inc.

가 3

EP

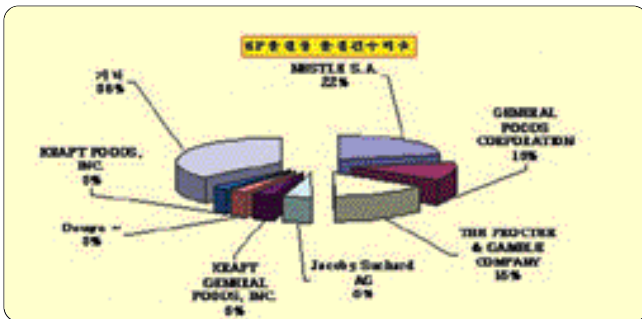
가가

IMF



가

가



IPC A47J
 , 31/00 가

가
 A47J , US 1,260

B. IPC A47J

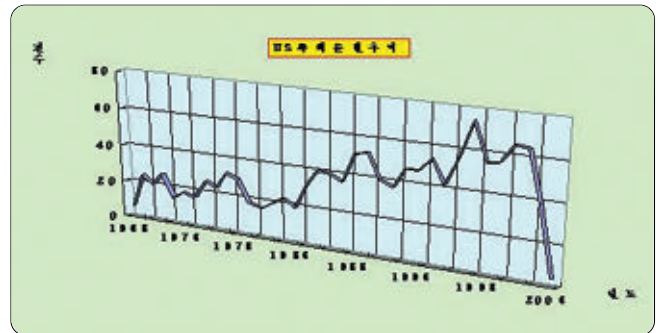
가
 , 1990

(espresso)

가
 가

가 2~3
 30 8~10 가

가



가 1990 , 1
 80%
 50%



SEB S.A.	34
MOULINEX S.A.	30
Braun Aktiengesellschaft	29
Sara Lee/DE N.V.	23
MELITTA HAUSHALTSPRODUKTE GmbH & CO.KOMMANDITGESELLSCHAFT	22
WMF WUTTEMBERGISCHE METALLWARENFA BRIK AG	20
ROBERT KRUPS STIFTUNG & CO.KG.	18
SOCIETE DES PRODUITS NESTEL S.A.	17
Melitta-Werke Bentz & Sohn	17
Eugster/Frismag AG	11
ILLYCAFFE S.p.A	11
JURA ELEKTROAPPARATE AG	10
SINTRA HOLDING AG	9
ESSEGIELLE S.r.l	8
N.V.Philips' Gloeilampenfabrieken	8
SANDEN CORPORATION	8
Smitdesign B.V.	8
The Procter & Gamble Company	7
CIMBALI S.p.A.	7
ELPAG AG CHUR	7
HGZ Maschinenbau AG	7



, Saeco, Carimali, Gaggia,
 Faema, Brasilia, Zanussi, Automatica, La Pavoni,
 Astoria, La Cimbali, Astoria
 , Franke, EGRO, Rex Royal, Solis,
 Schaere
 , Electrolux
 , Wittenburg
 , Jede, Spengler, Krups, WMF
 , Fountain, Philips
 , Francis

Nestle

Nestec S.A. 가
 , Bunn - O - Matic Corp.

가
 Kraft, Sara Lee Corp, P&G
 Black & Decker, Braun , Krups, Mr. Coffee,
 Hamilton Beach OEM



, 1997



1990

가

가

가

10

가

EP

US

가

가

, US

EP

1~2

54%, 43%

A23F 5/**



10

가

