



Australian Government  
IP Australia

## Search Information Statement (SIS)

Application  
Number

PCT/MY2017/050014

### A. Search Details

Additional Members of the Search Team (if convened):	K. Shamim & R. Knock	Earlier Search Results (if available)	NONE
		Current SIS Completion Date	3 July 2017

### B. Search Strategy

#### Applicant/Inventor Search

Applicant: DIAMOND STAR GLOBAL SDN. BHD

Inventor: CHONG KWIK, Chuah; SHIN SIONG, Loh

Databases: Google Patents, Espacenet Worldwide, AusPat, Google Scholar & internal databases provided by IP Australia.

Relevant results viewed.

#### Google & Google Scholar search

Keywords: magnetize, magnetic, field, magnet, water, liquid, wine, alcohol, beverage, ion-exchange, ionize, far infrared rays, ceramic, effect, properties, tension, viscosity, vaporise & the like.

Relevant results viewed.

#### Google Patents search

Keywords: wine, magnetize, liquid, indirect & the like.

ICP/CPC Symbols: C02F1/48, C12H1, A23L

Relevant results viewed.

#### Espacenet Worldwide search

(C02F1/482 or C02F1/485) and (C12H1/low or A23L2/70/low or A23L3/low) as the Cooperative Patent Classification

(C02F1/481 or C02F1/484) and (C12H1/low or A23L2/70/low or A23L3/low) as the Cooperative Patent Classification

alcohol\* or wine in the title or abstract AND C02F1/481 and C02F1/005 as the Cooperative Patent Classification

C02F1/005 and C02F1/48/low and (C12H1/165 or A23L3/26/low) as the Cooperative Patent Classification

Relevant results viewed.

#### EPOQUE Internal search

Database: EPODOC

Database	SS	Results	Query
EPODOC	1	20520	C02F1/48/LOW/IC/C/CNO OR C02F2201/48/LOW/C/CNO
	2	580	1 AND (C02F1/42/LOW/IC/C/CNO OR C02F2001/422/C/CNO)
	3	1775	1 AND C02F1/30/LOW/IC/C/CNO
	4	204	(2 OR 3) AND C02F1/283/C/CNO
	5	28	(2 AND 3) AND C02F1/283/C/CNO
	6	119272	OR C12H1/LOW/IC/C/CNO, A23L2/70/LOW/IC/C/CNO, A23L3/LOW/IC/C/CNO
	7	71	(2 OR 3) AND 6
	8	452	1 AND 6
	9	0	(2 OR 3 OR 8) AND C02F2304/06/C/CNO
	10	19	(2 OR 3 OR 8) AND C02F2201/006/C/CNO
	11	183	(2 OR 3 OR 8) AND C02F1/005/C/CNO
	12	85	11 AND (C02F9/LOW/IC/C/CNO OR C02F2201/006/C/CNO OR C02F1/283/C/CNO)

Results of search statements 5, 7, 10 & 12 viewed.

Databases: PATENW (EPODOC, WPIAP & English Full-text: TXPEA, TXPEB, TXPEC, TXPEE, TXPEF, TXPEH, TXPEI, TXPEP, TXTPEPEA, TXTPEPEB, TXPES, TXPEU, TXPEY, TXPUSE0A, TXPUSE1A, TXPUSEA, TXPUSEB, TXPW0EA)

Database	SS	Results	Query
PATENW	1	20524	/IC/C/CNO C02F1/48/LOW OR C02F2201/48/LOW
	2	22959	*XT { ..FAMEX }
	3	53	2 AND (12UG(OR IMPROVE+, ENRICH+, DEVELOP+, DEPTH, MODIF+, ENHANC+, ALTER+, CHANG+), (OR WINE?, ALCOHOL+, LIQUOR?, BEVERAGE?), (OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[,U]R?, AG[E,ING]++))

4	6	2 AND (12UG(MAGNET+), (INDIRECT+), (TREAT+ OR EFFECT+))
5	1856	2 AND (OR C02F1/42/LOW/IC/C/CNO, C02F2001/422/C/CNO, ION_EXCHANG+, (IONI[S,Z]+ 3D LIQUID?), (ION+ 3D EMIT+), (12UG(OR RELEAS+, EMIT, PROVID+), (ION+), (OR LIQUID?, FLUID?, WATER)))
6	381	5 AND (OR C02F1/30/LOW/IC/C/CNO, INFRA_RED, (('IR' OR INFRA) 4D +RADIAT+))
7	125	6 AND (OR C02F1/283/C/CNO, (ACTIVAT+ 3D (CHARCOAL OR CARBON)))
8	49	7 AND (OR CERAMIC?, ZEOLITE?)
9	23	5 AND (OR C12H1/165/C/CNO, A23L3/26/LOW/IC/C/CNO, ((OR WINE?, ALCOHOL+, LIQUOR?, BEVERAGE?) 3D (OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?, AG[E,ING]+)))
10	138	6 AND (OR C12H1/LOW/IC/C/CNO, A23L2/70/LOW/IC/C/CNO, A23L3/LOW/IC/C/CNO, WINE?, ALCOHOL+, LIQUOR?, BEVERAGE?, FOOD?)
11	121	10 AND (OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?, AG[E,ING]+)
12	59	11 AND (OR CERAMIC?, ZEOLITE?)

Results of search statements 3-4, 8-9 & 12 viewed.

Database	SS	Results	Query
PATENW	1	34	C12H1/12/IC/C/CNO AND +MAGNET+

Results of search statement 1 viewed.

Database	SS	Results	Query
PATENW	1	22110	C12H1/LOW/IC/C/CNO OR A23L2/70/LOW/IC/C/CNO
	2	26409	*XT { ..FAMEX }
	3	59	2 AND (12UG(OR IMPROVE+, ENRICH+, DEVELOP+, DEPTH, MODIF+, ENHANC+, ALTER+, CHANG+), (OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?, AG[E,ING]+), (MAGNET+))
	4	1	2 AND (12UG(MAGNET+), (INDIRECT+), (TREAT+ OR EFFECT+))
	5	1208	2 AND (OR C02F1/48/LOW/IC/C/CNO, C02F2201/48/LOW/C/CNO, MAGNET+)
	6	243	5 AND (OR C02F1/42/LOW/IC/C/CNO, C02F2001/422/C/CNO, ION_EXCHANG+, (IONI[S,Z]+ 3D LIQUID?), (ION+ 3D EMIT+), (12UG(OR RELEAS+, EMIT, PROVID+), (ION+), (OR LIQUID?, FLUID?, WATER)))
	7	34	6 AND (OR C02F1/30/LOW/IC/C/CNO, INFRA_RED, ((INFRA OR "IR") 4D +RADIAT+))
	8	3	7 AND (OR C02F1/283/C/CNO, (ACTIV+ 3D (CHARCOAL OR CARBON)))
	9	16	7 AND (CERAMIC? OR ZEOLITE?)

Results of search statements 3-4 & 7-9 viewed.

#### EPOQUE X-Full Search

Databases: X-Full (EPODOC, WPIAP & English Full-text)

Database	SS	Results	Query	
EPODOC	1	28224	C02F1/48/LOW/IC/C/CNO OR C02F2201/48/LOW/C/CNO OR B01D35/06/IC/C/CNO	<==== Starting Set in EPODOC
\$PATEN	1	66709	*XT {STARTING SET}	TRANSFER SS 1 from EPODOC
	2	Lim SS 1 2724	OR ION_EXCHANG+, (IONI[S,Z]+ 3D LIQUID?), (ION+ 3D EMIT+), (12UG(OR RELEAS+, EMIT, PROVID+), (ION+), (OR LIQUID?, FLUID?, WATER))	Concept 1: Concept 1
	3	Lim SS 1 1158	INFRA_RED OR ((INFRA OR "IR") 4D +RADIAT+)	Concept 2: Concept 2
	4	Lim SS 1 3332	CERAMIC? OR ZEOLITE?	Concept 3: Concept 3
	5	Lim SS 1 4634	OR ALKALI[S,Z]+, MINERAL+, +NUTRIENT, MAIFAN, FELDSPAR, HORNBLLENDE, BIOTITE, SILICATE	Concept 4: Concept 4
	6	Lim SS 1 2118	(ACTIV+ 3D (CHARCOAL OR CARBON))	Concept 5: Concept 5
	7	Lim SS 1 407	(OR WINE?, ALCOHOL+, LIQUOR?, BEVERAGE?, FOOD?) 5D (OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?, AG[E,ING]+)	Concept 6: Concept 6
	8	Lim SS 1 5	{4 Facets - 4 concepts mandatory} (2 AND 3 AND 5 AND 7)	4 Facets - 4 concepts

					mandatory
9	Lim SS 1	4	{5 Facets - 4 concepts mandatory} 2 AND 3 AND 5 AND 7 AND ((4) OR (6))		5 Facets - 4 concepts mandatory
10	Lim SS 1	1	{6 Facets - 4 concepts mandatory} 2 AND 3 AND 5 AND 7 AND ((4 AND 6))		6 Facets - 4 concepts mandatory
11	Lim SS 1	0	{4 Facets - 4 concepts mandatory} (2 P 3 P 5 P 7)		4 Facets - 4 concepts mandatory; No result
12	Lim SS 1	0	{5 Facets - 4 concepts mandatory} 2 P 3 P 5 P 7 P ((4) OR (6))		5 Facets - 4 concepts mandatory; No result
13	Lim SS 1	0	{6 Facets - 4 concepts mandatory} 2 P 3 P 5 P 7 P ((4 P 6))		6 Facets - 4 concepts mandatory; No result
14	Lim SS 1	63	{4 Facets} (2 P 3 P 4 P 5) OR (2 P 3 P 4 P 6) OR (2 P 3 P 4 P 7) OR (2 P 3 P 5 P 6) OR (2 P 3 P 5 P 7) OR (2 P 3 P 6 P 7) OR (2 P 4 P 5 P 6) OR (2 P 4 P 5 P 7) OR (2 P 4 P 6 P 7) OR (2 P 5 P 6 P 7) OR (3 P 4 P 5 P 6) OR (3 P 4 P 5 P 7) OR (3 P 4 P 6 P 7) OR (3 P 5 P 6 P 7) OR (4 P 5 P 6 P 7)		4 Facets
15	Lim SS 1	5	{5 Facets} (2 P 3 P 4 P 5 P 6) OR (2 P 3 P 4 P 5 P 7) OR (2 P 3 P 4 P 6 P 7) OR (2 P 3 P 5 P 6 P 7) OR (2 P 4 P 5 P 6 P 7) OR (3 P 4 P 5 P 6 P 7)		5 Facets
16	Lim SS 1	0	{6 Facets} (2 P 3 P 4 P 5 P 6 P 7)		6 Facets; No result

Results of search statements 8-10 & 15 viewed.

Database	SS	Results	Query	
EPODOC	1	2384776	/IC/C/CNO (C12/LOW OR A23L/LOW)	<==== Starting Set in EPODOC
	2	10853	(/IC/C/CNO (C12/LOW OR A23L/LOW)) AND (C02F1/48/LOW/IC/C/CNO OR C02F2201/48/LOW/C/CNO OR B01D35/06/IC/C/CNO OR MAGNET+)	<==== Starting Set in EPODOC
\$PATEN	1	40945	*XT {STARTING SET}	TRANSFER SS 2 from EPODOC
	2	Lim SS 1 12514	MAGNETI[S,Z]+ OR ((MAGNET+) 5D (OR TREAT+, EFFECT+, LIQUID?, FLUID?, WATER, BEVERAGE?, FOOD?, WINE?, ALCOHOL?, LIQUOR?, IMPROVE+, ENRICH+, DEVELOP+, MODIF+, ENHANC+, ALTER+, CHANG+))	Concept 1: Concept 1
	3	Lim SS 1 8118	OR TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?, AG[E,ING]+	Concept 2: Concept 2
	4	Lim SS 1 811	OR ION_EXCHANG+, (IONI[S,Z]+ 3D LIQUID?), (ION+ 3D EMIT+), (12UG(OR RELEAS+, EMIT, PROVID+), (ION+), (OR LIQUID?, FLUID?, WATER))	Concept 3: Concept 3
	5	Lim SS 1 1552	INFRA_RED OR ((INFRA OR "IR") 4D +RADIAT+)	Concept 4: Concept 4
	6	Lim SS 1 1657	CERAMIC? OR ZEOLITE?	Concept 5: Concept 5
	7	Lim SS 1 2849	OR ALKALI[S,Z]+, MINERAL+, +NUTRIENT, MAIFAN, FELDSPAR, HORNBLENDE, BIOTITE, SILICATE	Concept 6: Concept 6
	8	Lim SS 1 264	(ACTIV+ 3D (CHARCOAL OR CARBON))	Concept 7: Concept 7
	9	Lim SS 1 103	18UG(MAGNET+), (INDIRECT+), (OR TREAT+, EFFECT+, IMPROVE+, ENRICH+, DEVELOP+, MODIF+, ENHANC+, ALTER+, CHANG+, TANNIN?, ORGANOLEPTIC, TASTE?, PALATE, FLAVO[U]R?,	Concept 8: Concept 8

			AG[E,ING]+)	
10	Lim SS 1	237	{5 Facets - 1 concept mandatory} 2 AND ((3 AND 4 AND 5 AND 6) OR (3 AND 4 AND 5 AND 7) OR (3 AND 4 AND 5 AND 8) OR (3 AND 4 AND 5 AND 9) OR (3 AND 4 AND 6 AND 7) OR (3 AND 4 AND 6 AND 8) OR (3 AND 4 AND 6 AND 9) OR (3 AND 4 AND 7 AND 8) OR (3 AND 4 AND 7 AND 9) OR (3 AND 4 AND 8 AND 9) OR (3 AND 5 AND 6 AND 7) OR (3 AND 5 AND 6 AND 8) OR (3 AND 5 AND 6 AND 9) OR (3 AND 5 AND 7 AND 8) OR (3 AND 5 AND 7 AND 9) OR (3 AND 5 AND 8 AND 9) OR (3 AND 6 AND 7 AND 8) OR (3 AND 6 AND 7 AND 9) OR (3 AND 6 AND 8 AND 9) OR (3 AND 7 AND 8 AND 9) OR (4 AND 5 AND 6 AND 7) OR (4 AND 5 AND 6 AND 8) OR (4 AND 5 AND 6 AND 9) OR (4 AND 5 AND 7 AND 8) OR (4 AND 5 AND 7 AND 9) OR (4 AND 5 AND 8 AND 9) OR (4 AND 6 AND 7 AND 8) OR (4 AND 6 AND 7 AND 9) OR (4 AND 6 AND 8 AND 9) OR (4 AND 7 AND 8 AND 9) OR (5 AND 6 AND 7 AND 8) OR (5 AND 6 AND 7 AND 9) OR (5 AND 6 AND 8 AND 9) OR (5 AND 7 AND 8 AND 9) OR (6 AND 7 AND 8 AND 9))	5 Facets - 1 concept mandatory
11	Lim SS 1	72	{6 Facets - 1 concept mandatory} 2 AND ((3 AND 4 AND 5 AND 6 AND 7) OR (3 AND 4 AND 5 AND 6 AND 8) OR (3 AND 4 AND 5 AND 6 AND 9) OR (3 AND 4 AND 5 AND 7 AND 8) OR (3 AND 4 AND 5 AND 7 AND 9) OR (3 AND 4 AND 5 AND 8 AND 9) OR (3 AND 4 AND 6 AND 7 AND 8) OR (3 AND 4 AND 6 AND 7 AND 9) OR (3 AND 4 AND 6 AND 8 AND 9) OR (3 AND 4 AND 7 AND 8 AND 9) OR (3 AND 5 AND 6 AND 7 AND 8) OR (3 AND 5 AND 6 AND 7 AND 9) OR (3 AND 5 AND 6 AND 8 AND 9) OR (3 AND 5 AND 7 AND 8 AND 9) OR (3 AND 6 AND 7 AND 8 AND 9) OR (4 AND 5 AND 6 AND 7 AND 8) OR (4 AND 5 AND 6 AND 7 AND 9) OR (4 AND 5 AND 6 AND 8 AND 9) OR (4 AND 5 AND 7 AND 8 AND 9) OR (4 AND 6 AND 7 AND 8 AND 9) OR (5 AND 6 AND 7 AND 8 AND 9))	6 Facets - 1 concept mandatory
12	Lim SS 1	15	{7 Facets - 1 concept mandatory} 2 AND ((3 AND 4 AND 5 AND 6 AND 7 AND 8) OR (3 AND 4 AND 5 AND 6 AND 7 AND 9) OR (3 AND 4 AND 5 AND 6 AND 8 AND 9) OR (3 AND 4 AND 5 AND 7 AND 8 AND 9) OR (3 AND 4 AND 6 AND 7 AND 8 AND 9) OR (3 AND 5 AND 6 AND 7 AND 8 AND 9) OR (4 AND 5 AND 6 AND 7 AND 8 AND 9))	7 Facets - 1 concept mandatory
13	Lim SS 1	0	{8 Facets - 1 concept mandatory} 2 AND ((3 AND 4 AND 5 AND 6 AND 7 AND 8 AND 9))	8 Facets - 1 concept mandatory; No result
14	Lim SS 1	6	{5 Facets - 1 concept mandatory} 2 P ((3 P 4 P 5 P 6) OR (3 P 4 P 5 P 7) OR (3 P 4 P 5 P 8) OR (3 P 4 P 5 P 9) OR (3 P 4 P 6 P 7) OR (3 P 4 P 6 P 8) OR (3 P 4 P 6 P 9) OR (3 P 4 P 7 P 8) OR (3 P 4 P 7 P 9) OR (3 P 4 P 8 P 9) OR (3 P 5 P 6 P 7) OR (3 P 5 P 6 P 8) OR (3 P 5 P 6 P 9) OR (3 P 5 P 7 P 8) OR (3 P 5 P 7 P 9) OR (3 P 5 P 8 P 9) OR (3 P 6 P 7 P 8) OR (3 P 6 P 7 P 9) OR (3 P 6 P 8 P 9) OR (3 P 7 P 8 P 9) OR (4 P 5 P 6 P 7) OR (4 P 5 P 6 P 8) OR (4 P 5 P 6 P 9) OR (4 P 5 P 7 P 8) OR (4 P 5 P 7 P 9) OR (4 P 5 P 8 P 9) OR (4 P 6 P 7 P 8) OR (4 P 6 P 7 P 9) OR (4 P 6 P 8 P 9) OR (4 P 7 P 8 P 9) OR (5 P 6 P 7 P 8) OR (5 P 6 P 7 P 9) OR (5 P 6 P 8 P 9) OR (5 P 7 P 8 P 9) OR (6 P 7 P 8 P 9))	5 Facets - 1 concept mandatory
15	Lim SS 1	4	{6 Facets - 1 concept mandatory} 2 P ((3 P 4 P 5 P 6 P 7) OR (3 P 4 P 5 P 6 P 8) OR (3 P 4 P 5 P 6 P 9) OR (3 P 4 P 5 P 7 P 8) OR (3 P 4 P 5 P 7 P 9) OR (3 P 4 P 5 P 8 P 9) OR (3 P 4 P 6 P 7 P 8) OR (3 P 4 P 6 P 7 P 9) OR (3 P 4 P 6 P 8 P 9) OR (3 P 4 P 7 P 8 P 9) OR (3 P 5 P 6 P 7 P 8) OR (3 P 5 P 6 P 7 P 9) OR (3 P 5 P 6 P 8 P 9) OR (3 P 5 P 7 P 8 P 9) OR (3 P 6 P 7 P 8 P 9) OR (4 P 5 P 6 P 7 P 8) OR (4 P 5 P 6 P 7 P 9) OR (4 P 5 P 6 P 8 P 9) OR (4 P 5 P 7 P 8 P 9) OR (4 P 6 P 7 P 8 P 9))	6 Facets - 1 concept mandatory

				(4 P 5 P 6 P 8 P 9) OR (4 P 5 P 7 P 8 P 9) OR (4 P 6 P 7 P 8 P 9) OR (5 P 6 P 7 P 8 P 9))	
	16	Lim SS 1	0	{7 Facets - 1 concept mandatory} 2 P ((3 P 4 P 5 P 6 P 7 P 8) OR (3 P 4 P 5 P 6 P 7 P 9) OR (3 P 4 P 5 P 6 P 8 P 9) OR (3 P 4 P 5 P 7 P 8 P 9) OR (3 P 4 P 6 P 7 P 8 P 9) OR (3 P 5 P 6 P 7 P 8 P 9) OR (4 P 5 P 6 P 7 P 8 P 9))	7 Facets - 1 concept mandatory; No result
	17	Lim SS 1	0	{8 Facets - 1 concept mandatory} 2 P ((3 P 4 P 5 P 6 P 7 P 8 P 9))	8 Facets - 1 concept mandatory; No result

Results of search statements 12 & 14-15 viewed.