



Australian Government
IP Australia

Search Information Statement (SIS)

**Application
Number**

PCT/US2016/051345

A. Search Details

Additional Members of the Search Team (if convened):	S Ponnampalam, S Van, B Norman	Earlier Search Results (if available)	
		Current SIS Completion Date	14 December 2016

B. Search Strategy

EPOQUE INTERNAL Search Strategies

Databases and Clusters used:

- EPODOC
- WPIAP
- ABS (abstract only cluster, containing databases EPODOC and WPIAP)
- TXTE (English full test cluster, containing databases TXPEA, TXPEB, TXPEC, TXPEE, TXPEF, TXPEH, TXPEI, TXPEP, TXPES, TXPEPEA, TXPUSE0A, TXPUSE1A, TXPUSEA, TXPUSEB and TXPW0EA)

Search Strategy 1

EPODOC	Results	Query
1	2.487	A47J31/3633/CN
2	8	1 AND A47J31/462/LOW/CN

Results of search statement 2 viewed.

Search Strategy 2

EPODOC	Results	Query
1	2.487	A47J31/3633/CN
2	8	1 AND A47J31/462/LOW/CN
3	6.437	A47J31/3604/LOW/CN
4	81	3 AND A47J31/462/LOW/CN
5	0	A47J31/3633/CN AND B67D1/0081/LOW/CN
6	0	A47J31/3604/LOW/CN AND B67D1/0081/LOW/CN

Results of search statement 4 viewed

Search Strategy 3

EPODOC	Results	Query
1	135	A47J31/46/LOW/CN AND A47J31/3633/CN

Results of search statement 1 viewed

Search Strategy 4

EPODOC	Results	Query
1	44.773	A47J31/44/low/ic/cn

Transfer to ABS Cluster:

\$ABS	Results	Query
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> 1	96.182	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	1.656	1 AND ((OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+) 7D (OR ROTAT+, PIVOT+, INVERT+, FLIP+, TWIST+, HING+))
> 3	2.915	1 AND ((OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+) 7D (OR POSITION+, ORIENTATION+, ANGLE+))
> 4	364	2 AND 3
> 5	49	4 AND (OR CLEAN+, WASH+, RINS+, FLUSH+)

Results of search statement >5 viewed.

Search Strategy 5

EPODOC	Results	Query
1	44.788	A47J31/44/low/ic/cn

Transfer to ABS Cluster:

\$ABS	Results	Query
> 1	96.276	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	14.487	1 AND (OR DISPENS+, POUR+, EMPT+, TIP+)

Transfer SS2 to TXTE

TXTE	Results	Query
> 1	6.107	*XT {..CR SS 2 1-* FROM \$ABS TO TXTE}
> 2	1.928	1 AND (21UG (OR FIRST+, INIT+, UPRIGHT, VERTICAL+), (OR POSITION+, ORIENTATION+, ANGLE+), (OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+))
> 3	55	2 and (21UG (OR SECOND+, +DOWN+, INVERT+), (OR POSITION+, ORIENTATION+, ANGLE+), (OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+), (OR CLEAN+, WASH+, RINS+, FLUSH+))

Results of search statement >3 viewed.

Search strategy 6

EPODOC	Results	Query
1	6.442	A47J31/3604/LOW/CN
2	709	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+, ANGL+, ORIENT+, POSITION+) 7D (OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+))
3	228	2 AND (OR DISPENS+, POUR+, EJECT+, EMPT+, TIP+)
4	5	3 AND (OR CLEAN+, WASH+, RINS+, FLUSH+)

Results of search statement 4 viewed.

Search strategy 7

EPODOC	Results	Query
1	44.788	A47J31/44/low/ic/cn
Transfer to ABS		
\$ABS	Results	Query
> 1	96.359	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	4.260	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+, ANGL+, ORIENT+, POSITION+) 7D (OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+))
> 3	584	2 AND (OR CLEAN+, RINSE+, FLUSH+, WASH+)
> 4	74	3 AND +VALVE+

Results of search statement >4 viewed.

Search strategy 8

EPODOC	Results	Query
1	44.788	A47J31/44/low/ic/cn
Transfer to ABS		
\$ABS	Results	Query
> 1	96.359	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	4.260	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+, ANGL+, ORIENT+, POSITION+) 7D (OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+))

Transfer SS2 to TXTE

TXTE	Results	Query
> 1	3.189	*XT {..CR SS 2 1-* FROM \$ABS TO TXTE}
> 2	2.123	1 AND (S(OR FIRST+, INIT+, UPRIGHT, VERITCAL+),(OR POSITION+, ORIENTATION+, ANGLE+),(OR CONTAINER+, DISPENS+, RECEPTACLE+, VESSEL+, HOLDER+, CANISTER+, CUP+, CHAMBER+))
> 3	398	2 AND(S(OR SECOND+, +DOWN+, INVERT+),(OR POSITION+, ORIENTATION+, ANGLE+),(OR CLEAN+, RINS+, WASH+, FLUSH+))

Results of search statement >3 viewed

Search strategy 9

EPODOC	Results	Query
1	85.310	A47J31/CN/IC
Transfer to ABS		
\$ABS	Results	Query
> 1	156.911	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}

> 2	17.797	1 AND DISPENS+
> 3	667	2 AND (DISPENS+ 5D (OR ORIENT+, POSITION+))

Transfer SS3 to TXTE

TXTE	Results	Query
> 1	842	*XT {..CR SS 3 1-* FROM \$ABS TO TXTE}
> 2	199	1 AND ((OR FILL+, FLOW+) 5D (OR BOTTOM_UP, BOTTOM, +NEATH, UPWARD+, BELOW))
> 3	71	2 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 5D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))

Results of search statement >3 viewed.

Search strategy 10

\$ABS	Results	Query
1	55.876	/TI ((OR DRINK+, BEVERAGE+, COFFEE+, ESPRESSO) 2D (OR MACHINE+, SYSTEM+, DEVICE+, APPARATUS+))
2	9.536	1 AND DISPENS+
3	477	2 AND (DISPENS+ 5D (OR ORIENT+, POSITION+))

Transfer SS3 to TXTE

TXTE	Results	Query
> 1	661	*XT {..CR SS 3 1-* FROM \$ABS TO TXTE}
> 2	203	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 3D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))

Results of search statement >2 viewed.

Search strategy 11

\$ABS	Results	Query
1	55.876	/TI ((OR DRINK+, BEVERAGE+, COFFEE+, ESPRESSO) 2D (OR MACHINE+, SYSTEM+, DEVICE+, APPARATUS+))
2	70	1 AND (10OG (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+), (OR MULTI+, PLURAL+, FIRST, SECOND, THIRD, INTERMEDIATE), (OR POSITION+, ORIENT+, ANGLE+))

Results of search statement 2 viewed.

Search strategy 12

EPODOC	Results	Query
1	345	(/UC/LOW 141/377) OR (/UC/LOW 141/378) OR (/UC/LOW 141/271)

Transfer to ABS

\$ABS	Results	Query
> 1	721	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	55	1 AND (OR DRINK+, BEVERAGE+, COFFEE+)

Results of search statement >2 viewed.

Search strategy 13

EPODOC	Results	Query
1	1.329	A47J31/41/LOW/IC/CN

Transfer to ABS

\$ABS	Results	Query
> 1	4.540	*XT {..CR SS 1 1-* FROM EPODOC TO \$ABS}
> 2	9	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 3D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))
> 3	4.540	1

Results of search statement >2 viewed

Transfer SS3 to TXTE

TXTE	Results	Query
> 1	1.038	*XT {..CR SS 3 1-* FROM \$ABS TO TXTE}
> 2	93	1 AND ((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 3D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))

Results of search statement >2 viewed.

Search strategy 14

\$ABS	Results	Query
1	137.176	((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 5D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))
2	30.774	1 AND (OR BEVERAGE+, WATER+, COFFEE+, DRINK+)

Transfer SS2 to TXTE

TXTE	Results	Query
> 1	11.370	*XT {..CR SS 2 1-* FROM \$ABS TO TXTE}
> 2	2.566	1 and (((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 5D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+)) 5D (OR BEVERAGE+, WATER+, COFFEE+, DRINK+))
> 3	587	2 and ((OR PRESSUR+, PUMP+, FILL+, FLOW+) 5D (OR BOTTOM_UP, BOTTOM, +NEATH, UPWARD, BELOW))

Transfer SS3 to ABS:

\$ABS	Results	Query
> 3	1.741	*XT {..CR SS 3 1-* FROM TXTE TO \$ABS}
> 4	294	3 AND (/IC/CN A47J OR B67D)

Results of search statement >4 viewed

Search strategy 15

\$ABS	Results	Query
1	137.176	((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 5D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+))
2	30.774	1 AND (OR BEVERAGE+, WATER+, COFFEE+, DRINK+)

Transfer SS2 to TXTE

TXTE	Results	Query
> 1	11.370	*XT {..CR SS 2 1-* FROM \$ABS TO TXTE}
> 2	2.566	1 and (((OR ROTAT+, SWIVEL+, PIVOT+, HINGE+, INVERT+, TWIST+, FLIP+) 5D (OR DISPENS+, SPOUT+, OUTLET+, POUR+, NOZZL+)) 5D (OR BEVERAGE+, WATER+, COFFEE+, DRINK+))
> 3	587	2 and ((OR PRESSUR+, PUMP+, FILL+, FLOW+) 5D (OR BOTTOM_UP, BOTTOM, +NEATH, UPWARD, BELOW))

Results of search statement >3 viewed

Search strategy 16

(EPOQUE INTERNAL not used)

Database: ESPACENET

SS	Results	Query
1	25	(bottom* prox/distance<3 fill*) and beverage* and container* in the title or abstract

Results of search statement 1 viewed.

Applicant Inventor Search

Database: ESPACENET

SS	Results	Query
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1	4	dispensing in the title or abstract AND starbucks as the applicant
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Results of Search Statement 1 viewed

Database: AUSPAT

SS	Results	Query
1	8	(("starbucks corporation" IN AP) OR ("starbucks corporation d/b/a starbucks coffee compa" IN AP) OR ("starbucks corporation d/b/a starbucks coffee company" IN AP) OR ("starbucks corporation d/b/a/ starbucks coffee company" IN AP) OR ("starbucks corporation, d/b/a starbucks coffee company" IN AP)) AND "dispensing"

Results of Search Statement 1 viewed

Note: Cited and citing documents of the most relevant results from the above search strategies were also viewed.

Applicant/Inventor name searched in internal databases provided by IP Australia