



Australian Government
IP Australia

Search Information Statement (SIS)

**Application
Number**

PCT/AU2018/050840

A. Search Details

Additional Members of the Search Team (if convened):	...	Earlier Search Results (if available)	Yes - Search Information Sheet of International Type Search Report 2017903176
		Current SIS Completion Date	19 September 2018

B. Search Strategy

1. Applicant/Inventor search

Database: Auspat, Espacenet & internal databases managed by IP Australia. Applicant name: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION with keywords: 'carbon dioxide' or "CO2" (in abstract); Applicant name: ONE ATMOSPHERE PTY LTD; Inventors: LYONS, Timothy, Paul; HILL, Matthew, Ronald; MULET, Xavier; LAU, Cher Hon; BATTEN, Michael.

Relevant documents viewed.

2. ESPACENET, GOOGLE Advanced Patent Search and GOOGLE Scholar with keywords (MOF, SiFsix, SiFsix-3-Ni, adsorbent, CO2, activation, extrude, pellet and like terms).

3. EPOQUE search in PATENW

Results	PATENW	SS	Query
		Status	
1	64.692		/C/CNO/IC (B01J20/103 OR B01J20/22 OR B01J20/226 OR B01J20/30/LOW OR B01J20/3007 OR B01J20/3014 OR B01J20/3078 OR B01J20/3092 OR B01J20/3483 OR B01J20/3491 OR B01J2220/56 OR B01J2220/62 OR B01J2220/66 OR B01J2220/68)
2	5.751		1 AND PD>=2017-09-01
> 3	8.961		*XT { ..FAMEX }
4	2.997		(/C/CNO/IC OR A61M16/22, A61M16/06, A61M16/0093, A62B18/02, A62B7/10, B63C11/24, A62D9, B01D2259/4541) AND PD>=2017-09-01
> 5	6.629		*XT { ..FAMEX }
> 6	58		3 AND 5
> 7	1		6 AND (NISIFSIX+ OR NISIF6+ OR "SIFSIX-3-NI" OR "SIF6-3-M" OR +SIFSIX+ OR +SIF6+ OR MOF OR (METAL 2D FRAMEWORK?))
> 8	625		3 AND (NISIFSIX+ OR NISIF6+ OR "SIFSIX-3-NI" OR "SIF6-3-M" OR +SIFSIX+ OR +SIF6+ OR MOF OR (METAL 2D FRAMEWORK?))
> 9	284		8 AND ((CARBON_DIOXIDE OR "CO2" OR CARBON_DIOXIDE OR "CO2" OR "C02") 7D (+A[B,D]SOR[P,B]+ OR SCRUB+ OR REMOV+ OR STRIP+))
> 10	193		9 AND (+EXTRUD+ OR PELLET+ OR PILL? OR M[OU,O]LD+ OR PEBBLE? OR SPHER+ OR BALL? OR CYLIND[E,R]+ OR GRANUL? OR ROD? OR TABLET? OR NOODLE? OR SPAGHETTI)
> 11	190		10 AND (CALCIN+ OR SINTER+ OR (HEAT 2D TREAT+) OR HEAT+ OR +ACTIVAT+ OR +GENERAT+)
> 12	177		11 AND (VACUUM+ OR ((REDUC+ OR +LOW+) 5D (PRESSURE OR ATMOSPHER+)))
> 13	26		5 AND (NISIFSIX+ OR NISIF6+ OR "SIFSIX-3-NI" OR "SIF6-3-M" OR +SIFSIX+ OR +SIF6+ OR MOF OR (METAL 2D FRAMEWORK?))
> 14	202		7 OR 12 OR 13
> 15	27		14 AND ((+BREATH+ OR RE_BREATH+ OR EXHAL+ OR INHAL+ OR RESPIRAT+ OR

AN[AE,E]STHE+) S (APPARATUS+ OR EQUIPMENT? OR MASK? OR HELMET? OR HOOD? OR SCUBA OR (LIFE D SUPPORT+) OR (UNDER D WATER+)))

Results of search statements 14 and 15 viewed.

Results

PATENW	SS	Query
	Status	
1	182.911	/C/CNO/IC (OR B01D53/04/LOW, B01D53/0415, B01D2253/204, B01J20/22, B01J20/226, B01D53/86, B01D53/14, B01D53/62, B01D53/1475, B01D2257/504, Y02C10/08)
> 2	225.214	*XT {..FAMEX SS 1 FROM PATENW}
> 3	14.859	2 AND PD>=2017-09-01
> 4	622	3 AND (NISIFSIX+ OR NISIF6+ OR "SIFSIX-3-NI" OR "SIF6-3-M" OR +SIFSIX+ OR +SIF6+ OR MOF OR (METAL 2D FRAMEWORK?))
> 5	276	4 AND ((CARBON_DIOXIDE OR "CO2" OR "C02") 7D (+A[B,D]SOR[P,B]+ OR SCRUB+ OR REMOV+ OR STRIP+))
> 6	170	5 AND (+EXTRUD+ OR PELLET+ OR PILL? OR M[OU,O]LD+ OR PEBBLE? OR SPHER+ OR BALL? OR CYLIND[E,R]+ OR GRANUL? OR ROD? OR TABLET? OR NOODLE? OR SPAGHETTI)
> 7	157	6 AND (CALCIN+ OR SINTER+ OR (HEAT 2D TREAT+) OR +ACTIVAT+ OR REGENERAT+)
> 8	6	7 AND ((+BREATH+ OR RE_BREATH+ OR EXHAL+ OR INHAL+ OR RESPIRAT+ OR AN[AE,E]STHE+) S (APPARATUS+ OR EQUIPMENT? OR MASK? OR HELMET? OR HOOD? OR SCUBA OR (LIFE D SUPPORT+) OR (UNDER D WATER+)))
> 9	157	7 OR 8

Results of search statement 9 viewed.