

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
BHP Billiton Innovation Pty Limited	06/22/2007
<b>RECEIVING PARTY DATA</b>	
Name:	Metalysis Limited
Street Address:	Unit 2, Farfield Park, Manvers Way, Wath upon Dearne
City:	Rotherham S63 5DB
State/Country:	UNITED KINGDOM
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Patent Number:	7156974
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(703)610-8686
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(703) 903-9000
Email:	ipdocketing@milesstockbridge.com
Correspondent Name:	Miles & Stockbridge, P.C.
Address Line 1:	1751 Pinnacle Drive
Address Line 2:	Suite 500
Address Line 4:	McLean, VIRGINIA 22102-3833
ATTORNEY DOCKET NUMBER:	T4683-8976US01
NAME OF SUBMITTER:	David R. Schaffer
<b>Total Attachments: 16</b> source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page1.tif source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page2.tif source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page3.tif source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page4.tif source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page5.tif	

CH \$40.00 7156974

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**PATENT  
 REEL: 023196 FRAME: 0359**

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source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page15.tif  
source=Redacted assignment agreement dated 06-22-07 btwn BHP and Metalysis#page16.tif

DATED

22 June

2007

**BHP BILLITON INNOVATION PTY LIMITED**

- and -

**METALYSIS LIMITED**

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**ASSIGNMENT AGREEMENT**  
relating to the POLAR Process

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Slaughter and May  
One Bunhill Row  
London EC1Y 8YY  
(RAXS/SPW)

TP071510014

THIS AGREEMENT is made this *22<sup>nd</sup>* day of *June* 2007

**BETWEEN:**

- (1) **BHP BILLITON INNOVATION PTY LIMITED**, a company incorporated in Australia with registered number ACN 008457154 having its registered office at Level 27, BHP Billiton Centre, 180 Lonsdale Street, Melbourne, Victoria 3000, Australia ("BHP Billiton"); and
- (2) **METALYSIS LIMITED**, a company incorporated in England with registered number 4304849 having its registered office at Unit 2, Farfield Park, Manvers Way, Wath upon Dearne, Rotherham S63 5DB. ("Metalysis").

**WHEREAS:**

- (A) BHP Billiton owns rights in the POLAR Process, including POLAR Know-How and POLAR IP.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**NOW IT IS AGREED** as follows:

- 1. **Interpretation**
- 1.1 In this Agreement:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

“Effective Date”

means *22 June* 2007;

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

"POLAR IP"

means Intellectual Property subsisting in the POLAR Process, including (without limitation) the patents and patent applications listed in Schedule 3 and the trade mark registrations and applications for registration listed in Schedule 4;

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**2. Assignment of POLAR IP**

2.1 In consideration of the payment by Metalysis of £1.00 (receipt and sufficiency of which is hereby acknowledged), BHP Billiton hereby assigns to Metalysis with effect from the Effective Date all its right, title and interest in and to the POLAR IP free from all liens, charges and encumbrances.

2.2 Without prejudice to Clause 7, the assignment made pursuant to Clause 2.1 includes all rights, privileges and advantages relating to the POLAR IP owned by BHP Billiton, including (without limitation) the right of Metalysis to bring or continue action and claim relief (and retain any awards made) in respect of any infringement of the POLAR IP owned by BHP Billiton, whether occurring before, on or after the date of this Agreement.

[REDACTED]

Pages 5 to 16 REDACTED



## SCHEDULE 3

## PATENTS AND PATENT APPLICATIONS RELATING TO THE POLAR TECHNOLOGY

BHP Billiton Patent Applications

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
PCT	PCT/AU02/00168	2001PA0002XX FP15755		2001PA0002	
Australia	2002231464	2001PA0002AU P50445	Pending	2001PA0002	
ARIPO	AP/P/2003/002845	2001PA0002AP FP18262	Granted	2001PA0002	
Brazil	PI0207313-7	2001PA0002BR FP18246	Pending	2001PA0002	
Canada	2438523	2001PA0002CA FP18254	Pending	2001PA0002	
China	02807303.7	2001PA0002CN FP18243	Pending	2001PA0002	
Europe	02711649	2001PA0002EP FP18253	Pending	2001PA0002	
Hong Kong	04109235.2	2001PA0002HK FP20757	Granted	2001PA0002	1066248A
India	01049/KOLNP/2003	2001PA0002IN FP18255	Pending	2001PA0002	
Japan	2002-566009	2001PA0002JP FP18245	Pending	2001PA0002	
Madagascar	2003/017	2001PA0002MG FP18256	Granted	2001PA0002	
Mexico	PA/A/2003/007326	2001PA0002MX FP18247	Pending	2001PA0002	
Norway	20033627	2001PA0002NO FP18248	Pending	2001PA0002	
South Africa	2003/6394	2001PA0002ZA FP18252	Granted	2001PA0002	
South Korea	2003-7010796	2001PA0002KR FP18244	Pending	2001PA0002	
Sri Lanka	13143	2001PA0002LK FP18257	Pending	2001PA0002	
USA	10/468,215	2001PA0002US FP18251	Pending	2001PA0002	
PCT	PCT/AU02/00457	2001PA0016XX FP15979		2001PA0016	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
Australia	2002244540	2001PA0016AU P50993	Pending	2001PA0016	
Canada	2443960	2001PA0016CA FP18550	Pending	2001PA0016	
Europe	02712654.9	2001PA0016EP FP18552	Pending	2001PA0016	
USA	10/474745	2001PA0016US FP18556	Granted	2001PA0016	2005-0121333-A1
South Africa	2003/7914	2001PA0016ZA FP18554	Granted	2001PA0016	
PCT	PCT/AU02/00456	2001PA0015XX FP15980		2001PA0015	
Australia	2002245948	2001PA0015AU P50996	Pending	2001PA0015	
Canada	2443953	2001PA0015CA FP18548	Pending	2001PA0015	
China	02810084.0	2001PA0015CN FP18549	Pending	2001PA0015	
Europe	02713941.9	2001PA0015EP FP18551	Pending	2001PA0015	
Japan	2002-581721	2001PA0015JP FP18553	Pending	2001PA0015	
Norway	20034548	2001PA0015NO FP18555	Pending	2001PA0015	
South Africa	2003/7978	2001PA0015ZA FP18558	Granted	2001PA0015	
USA	10/474746	2001PA0015US FP18557	Granted	2001PA0015	2004-0237710-A1
PCT	PCT/AU02/00843	2001PA0035XX FP16357		2001PA0035	
Australia	2002315563	2001PA0035AU P51599	Pending	2001PA0035	
China	02813042.1	2001PA0035CN FP18914	Pending	2001PA0035	
Canada	2451302	2001PA0035CA FP18913	Pending	2001PA0035	
Europe	02740125.6	2001PA0035AU FP18915	Pending	2001PA0035	
Japan	2003-508746	2001PA0035JP FP18916	Pending	2001PA0035	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
Kazakstan	2003/1582.1	2001PA0035KZ FP18925	Granted	2001PA0035	
Norway	20035686	2001PA0035NO FP18917	Pending	2001PA0035	
Russia	2004102504	2001PA0035RU FP18924	Pending	2001PA0035	
South Africa	2003/9736	2001PA0035ZA FP18919	Granted	2001PA0035	
United States	10/482055	2001PA0035US FP18918	Pending	2001PA0035	
PCT	PCT/AU02/01109	2001PA0047XX FP16524		2001PA0047	
Australia	2002331406	2001PA0047AU P51977	Pending	2001PA0047	
Europe	02766921.7	2001PA0047EP FP19099	Granted	2001PA0047	1425439
Japan	2003-520878	2001PA0047JP FP19100	Pending	2001PA0047	
United States	10/486723	2001PA0047US FP19101	Pending	2001PA0047	
United States	11/258864	FP23266	Pending	2001PA0047	
PCT	PCT/AU03/00306	2002PA0002 FP17416		2002PA0002	
ARIPO	AP/P/2004/003141	2002PA0002AP FP20326	Granted	2002PA0002	
Australia	2003209826	2002PA0002AU P54326	Pending	2002PA0002	
Brazil	PI0308384-5	2002PA0002BR FP20327	Pending	2002PA0002	
Canada	2479048	2002PA0002CA P20328	Pending	2002PA0002	
China	03809273.5	2002PA0002CN FP20329	Pending	2002PA0002	
Eurasia	200401203	2002PA0002EA FP20330	Granted	2002PA0002	
Europe	03743767.0	2002PA0002EP FP20331	Pending	2002PA0002	
India	2727/DELNP/2004	2002PA0002IN FP20332	Pending	2002PA0002	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
Japan	2003-574882	2002PA0002JP FP20333	Pending	2002PA0002	
Madagascar	2004/028	2002PA0002MG P20336	Pending	2002PA0002	
Mexico	PA/a/2004/00887	2002PA0002MX P20337	Pending	2002PA0002	
NZ	531467	2002PA0002NZ P19478	Pending	2002PA0002	
Norway	20043857	2002PA0002NO P20338	Pending	2002PA0002	
South Africa	2004/7434	2002PA0002ZA FP20339	Pending	2002PA0002	
South Korea	10-2004-7014399	2002PA0002KR FP20334	Pending	2002PA0002	
Sri Lanka	13463	2002PA0002LK FP20335	Pending	2002PA0002	
US	10/175348	2002PA0002US FP16331	Granted	2002PA0002	
US Continuation	10/637548	2002PA0002US FP18544(div)	Pending	2002PA0002	
PCT	PCT/AU03/00305	2002PA0009 FP17413		2002PA0009	
Australia	2003209825	2002PA0009AU P54322	Pending	2002PA0009	
Canada	2479050	2002PA0009CA FP20314	Pending	2002PA0009	
China	03809274.3	2002PA0009CN FP20315	Pending	2002PA0009	
Europe	03743766.2	2002PA0009EP FP20316	Pending	2002PA0009	
India	2728/DELNP/2004	2002PA0009IN FP20317	Pending	2002PA0009	
Japan	2003-574884	2002PA0009JP FP20318	Pending	2002PA0009	
Kazakhstan	2004/1572.1	2002PA0009KZ FP20319	Granted	2002PA0009	
Mexico	PA/a/2004/00886	2002PA0009MX FP20320	Pending	2002PA0009	
Russia	2004130453	2002PA0009RU FP20322	Pending	2002PA0009	
South Africa	2004/7433	2002PA0009ZA FP20324	Granted	2002PA0009	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
US	10/939,001	2002PA0009US FP20323	Pending	2002PA0009	
PCT	PCT/AU03/01330	2002PA0021 FP18559		2002PA0021	
Australia	200326684	2002PA0021AU P56870	Pending	2002PA0021	
China	20038015372.0	2002PA0021CN FP21449	Pending	2002PA0021	
US	10/530835	2002PA0021US FP21450	Pending	2002PA0021	
PCT	PCT/AU03/01364	2003PA0023XX FP18622		2003PA0023	
Australia	2003269600	2003PA0023AU P56603	Pending	2003PA0023	
Brazil	PI0315413-0	2003PA0023BR FP21516	Pending	2003PA0023	
China	200380103465.X	2003PA0023CN FP21515	Pending	2003PA0023	
India	1772/DELNP/2005	2003PA0023IN FP21517	Pending	2003PA0023	
United States	10/531650	2003PA0023US FP21518	Pending	2003PA0023	
PCT	PCT/AU03/001657	2002PA0022XX(1)FP18876		2002PA0022	
US	10/490,452	2002PA0022US(1)FP19452	Pending	2002PA0023	
Australia	2003286000	2002PA0022AU(1)FP57214	Pending	2002PA0024	
China	200380109648.2	2002PA0022CN(1)FP21917	Pending	2002PA0025	
Europe	0377674.8	2002PA0022EP(1)FP21918	Pending	2002PA0026	
Russia	2005121903	2002PA0022RU(1)FP21919	Pending	2002PA0027	
PCT	PCT/AU2004/000809	2004PA0006WO FP19942		2004PA0006	
Australia	2004249790	2004PA0006AU P59300	Pending	2004PA0006	
Canada	2529786	2004PA0006CA FP23097	Pending	2004PA0006	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
China	2004800023723.8	2004PA0006CN FP23099	Pending	2004PA0006	
Japan	2006-515548	2004PA0006JP FP23100	Pending	2004PA0006	
Norway	20056119	2004PA0006NO FP23101	Pending	2004PA0006	
Russia	2006101575	2004PA0006RU FP23102	Pending	2004PA0006	
South Africa	2005/10397	2004PA0006ZA FP23103	Pending	2004PA0006	
United Kingdom	0600907.0	2004PA0006GB FP23105	Pending	2004PA0006	
United States		2004PA0006US FP23107	Pending	2004PA0006	
PCT	PCT/AU2004/001331	2003PA0016WO FP20431		2003PA0016	
Australia	2004276372	2003PA0016AU P60337	Pending	2003PA0016	
Canada	2540234	2003PA0016CA FP23574	Pending	2003PA0016	
China	200480034241.2	2003PA0016CN FP23575	Pending	2003PA0016	
Europe	04761366.6	2003PA0016EP FP23726	Pending	2003PA0016	
Russia	2006114034	2003PA0016RU FP23576	Pending	2003PA0016	
South Africa	2006/02500	2003PA0016ZA FP23577	Pending	2003PA0016	
United States		2003PA0016US FP23573	Pending	2003PA0016	
PCT	PCT/AU2004/001410	2003PA0022WO FP20526		2003PA0022	
Australia	2004281296	2003PA0022AU P60861	Pending	2003PA0022	
China	200480037265.3	2003PA0022CN FP23678	Pending	2003PA0022	
Eurasia	200600774	2003PA0022EA FP23811	Pending	2003PA0022	
Europe	04789581.8	2003PA0022EP FP23814	Pending	2003PA0022	

Country	Application No.	File References	Status	BHPB Family Reference	Patent Reference
India	2691/DELNP/2006	2003PA0022IN FP23815	Pending	2003PA0022	
Japan		2003PA0022JP FP23679	Pending	2003PA0022	
South Africa	2006/03786	2003PA0022ZA FP23816	Pending	2003PA0022	
United States		2003PA0022US FP23680	Pending	2003PA0022	
PCT/AU2005/000409		2004PA0010 FP21380	Pending	2004PA0010	
PCT/AU2005/000899		2004PA0008 FP21977	Pending	2004PA0008	
PCT/AU2005/000907		2004PA0007 FP21990	Pending	2004PA0007	
PCT/AU2005/001134		2004PA0017 FP22142	Pending	2004PA0017	
PCT/AU2005/001135		2004PA0018 FP22143	Pending	2004PA0018	
PCT/AU2006/000161		2004PA0029 FP23347	Pending	2004PA0029	
PCT/AU2006/001088		2005PA0045 FP24348	Pending	2005PA0045	
	2005907301	2004PA0025 P59315	Pending	2005PA0025	

## SCHEDULE 4

## POLAR TRADE MARK REGISTRATIONS AND APPLICATIONS FOR REGISTRATION

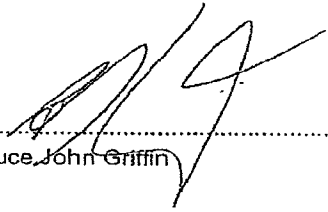
Territory	Trade Mark	Classes	Registration (Application) number	Status
Australia	POLAR	1, 2, 6, 9, 35, 37, 40, 42	969216	Registered
Australia	POLAR BEAR	1, 2, 6, 9, 35, 37, 40, 42	983385	Registered
China	POLAR	6, 9	IR: 823195	Pending
European Union (CTM)	POLAR	6, 9, 42	3706074	Registered
Japan	POLAR	6, 9	IR 823195	Registered
Norway	POLAR	6, 9	IR 823195	Registered
Russia	POLAR	6, 9	IR 823195	Pending
South Korea	POLAR	6, 9	IR 823195	Registered
USA	POLAR	6, 9	2992677 (IR 823195)	Registered



70763559\_2

Signed on behalf of **BHP BILLITON** )  
**INNOVATION PTY LIMITED**, a company )  
incorporated in Australia, by )  
**BRUCE JOHN GRIFFIN** being a person who, )  
in accordance with the laws of that territory, is )  
acting under the authority of the company )

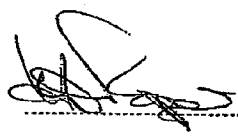
Bruce John Griffin



Signed by ..... )  
for and on behalf of )  
**METALYSIS LIMITED** )  
..... )

TP071510014

Signed on behalf of **BHP BILLITON** )  
**INNOVATION PTY LIMITED**, a company ) .....  
incorporated in Australia, by ) **Bruce John Griffin**  
**BRUCE JOHN GRIFFIN** being a person who, )  
in accordance with the laws of that territory, is )  
acting under the authority of the company )

Signed by H. W. T. PEPPER )  
for and on behalf of )  
**METALYSIS LIMITED** )  )  
)

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