

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7390405

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ACHLYS TECHNOLOGIES INC.	04/14/2022
RECEIVING PARTY DATA	
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO.8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK,
City:	HSINCHU
State/Country:	TAIWAN
Postal Code:	30078
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17117727
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Email:	USA@JCIPGroup.com
Correspondent Name:	JCIPRNET
Address Line 1:	8F-1, NO. 100, ROOSEVELT RD. SEC. 2,
Address Line 4:	TAIPEI, TAIWAN 100404
ATTORNEY DOCKET NUMBER:	17/117,727
NAME OF SUBMITTER:	BELINDA LEE
SIGNATURE:	/Belinda Lee/
DATE SIGNED:	06/19/2022
Total Attachments: 5	
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ASSIGNMENT

THIS ASSIGNMENT is effective as of the 14th day of April 2022 by and between Taiwan Semiconductor Manufacturing Company Ltd., a Taiwan corporation with a registered address at No. 8 Li-Hsin Road 6, Hsinchu Science Park, Hsinchu 300-78, Taiwan, R.O.C. ("Purchaser") and Achlys Technologies Inc., a Delaware corporation having its principal place of business at 1891 Robertson Road, Suite 100, Ottawa, ON K2H 5B7 ("Vendor").

WHEREAS in this Assignment, "Subject Patents" means all patents and patent applications listed on Schedule "A";

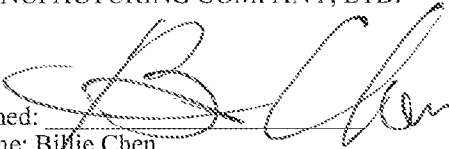
WHEREAS the Vendor owns all interest, right, title, property and benefit in and to each of the Subject Patents, subject to all encumbrances, including but not limited to, any licenses or covenants not to sue or other related rights, which exist immediately prior to the effective date of the Assignment, and has agreed to assign all such interest, right, title, property and benefit in and to each of the Subject Patents to Purchaser;

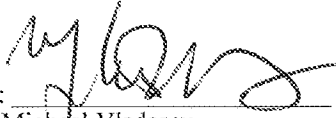
NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby expressly acknowledged, the Vendor hereby irrevocably sells, conveys, transfers, assigns, and delivers on an AS-IS, WHERE-IS BASIS (1) all of Vendor's interest, right, title, property and benefit in and to each of the Patents, (2) the sole right to collect any damages for past, current and future infringement of each of the Patents to the extent not covered by license agreements or forbearances existing as of the date hereof that have been expressly disclosed to Purchaser prior to the date hereof and (3) the right to sue for past, current and future infringement of each of the Patents.

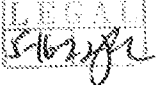
IN WITNESS WHEREOF, the Vendor has caused this Assignment to be executed effective as of the date first written above by its duly authorized officer.

PURCHASER:
TAIWAN SEMICONDUCTOR
MANUFACTURING COMPANY, LTD.

VENDOR:
ACHLYS TECHNOLOGIES INC.

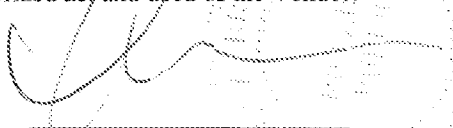
Signed: 
Name: Billie Chen
Title: Associate General Counsel & Chief IP Counsel

Signed: 
Name: Michael Vladescu
Title: Chief Executive Officer

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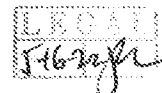
Country of Canada)
City of Ottawa)
)

On this 14th day of April, 2022, before me appeared Michael Vladescu, to me personally known who, being duly sworn, did depose and say that he is the Chief Executive Officer of the Vendor as named in the Assignment above and that such Assignment was signed on behalf of the Vendor, and such person acknowledged the Assignment to be the free and authorized act and deed of the Vendor;



Notary Public

My commission expires: N/A



Schedule A

#	Ext. Family ID	Country	App. #	Publication #	Patent #
1	736342	JP	JP2003404987	JP2005167024 A	JP3795040
2	736342	US	US10/849385	US20050121781 A1	US6914327
3	3348915	JP	JP2005059269	JP2006245311 A	JP4688526
4	3348915	US	US11/365842	US20060197181 A1	US7649249
5	3352680	JP	JP2005053918	JP2006237524 A	JP4426482
6	3352680	US	US11/360570	US20060202347 A1	US7898086
7	3361545	JP	JP2005087644	JP2006269861 A	JP4553765
8	3361545	US	US11/386841	US20060214277 A1	US7679175
9	3366293	JP	JP2005098591	JP2006278906	
10	3366293	US	US11/406232	US20060220261 A1	US8143718
11	3410995	CN	CN200480032487	CN1875481 A	CN1875481
12	3410995	DE	DE04771441	EP1686623 A1	DE602004054526.0
13	3410995	EP	EP04771441	EP1686623 A1	EP1686623
14	3410995	FR	FR04771441	EP1686623 A1	FR1686623
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17	3410995	TW	TW93122757	TW200515586 A	TWI408795
18	3410995	US	US10/577863	US20080265430 A1	US7944058
19	3410995	US	US13/093220	US20110201178 A1	US8664666
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22	3410995	US	US15/384658	US20170103938 A1	US9887147
23	3410995	US	US15/852388	US20180122722 A1	US10199310
24	3410995	US	US16/224846	US20190122961 A1	US10559521
25	3410995	US	US16/748020	US20200161223 A1	US11127657
26	3410995	WO	JP2004011454W	WO2005043622	
27	4232277	JP	JP2005247068	JP2007066932 A	JP4553813
28	4232277	US	US11/501077	US20070045791 A1	US7372137
29	4247112	JP	JP2005287552	JP2007103413 A	JP4463178
30	4247112	US	US11/525868	US20070075413 A1	US7646086
31	4247112	US	US12/591396	US20100065953 A1	US7781880
32	4272090	JP	JP2005289267	JP2007103521 A	JP4564434
33	4272090	US	US11/526697	US20070096330 A1	US7521807
34	4366773	CN	CN200610160458	CN101017786 A	CN101017786
35	4366773	JP	JP2006030407	JP2007214220 A	JP4390775
36	4366773	KR	KR20060117686	KR20070080811 A	KR101347633
37	4366773	US	US11/593039	US20070184583 A1	US7413925
38	4401971	JP	JP2006055075	JP2007234881	
39	4401971	US	US11/604294	US20070216001 A1	US7459777

A handwritten signature in black ink is written over a rectangular stamp. The stamp contains the text "LEGAL" in a bold, sans-serif font, with "SUB" written below it. The signature appears to be "S. B. G. A. I." followed by a flourish.

40	4401987	JP	JP2006070286	JP2007250708 A	JP4714049
41	4401987	US	US11/678619	US20070216020 A1	US7598618
42	4414475	JP	JP2006098384	JP2007273782 A	JP4659660
43	4414475	US	US11/723526	US20070231966 A1	US7560302
44	4512696	JP	JP2006190234	JP2008021709 A	JP4906417
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46	29065972	JP	JP2006251611	JP2008072063 A	JP4773307
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49	29085081	JP	JP2006299313	JP2008117916 A	JP4312786
50	29085081	US	US11/976521	US20080105952 A1	US7723213
51	31645507	JP	JP2007299518	JP2009124087	
52	31645507	US	US12/272313	US20090130846 A1	US7906431
53	31662457	JP	JP2007322099	JP2009147068	
54	31662457	US	US12/314117	US20090155953 A1	US8003437
55	31662457	US	US13/067804	US20110258849 A1	US8484820
56	33225693	JP	JP2008145815	JP2009295676	
57	33225693	US	US12/474400	US20090294987 A1	US8115317
58	33374614	JP	JP2008180289	JP2010021352 A	JP5356742
59	33374614	JP	JP2013177958	JP2013258428 A	JP5588553
60	33374614	US	US12/458324	US20100007030 A1	US9892968
61	33374614	US	US15/879006	US20180151434	
62	33374614	US	US16/460969	US20190326173 A1	US10892189
63	33374614	US	US17/117727	US20210098297	
64	34221012	JP	JP2009012586	JP2010171220 A	JP5438980
65	34221012	JP	JP2013259187	JP2014068035 A	JP5764191
66	34221012	JP	JP2015118928	JP2015207774 A	JP6138859
67	34221012	US	US12/656267	US20100190338 A1	US8008195
68	35703251	JP	JP2009250749	JP2011096918	
69	35703251	US	US12/926178	US20110101539 A1	US8558387
70	35703251	US	US14/027263	US20140073129	
71	42491173	CN	CN201310196797	CN103426817 A	CN103426817
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74	42491173	JP	JP2017251681	JP2018046315 A	JP6445672
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76	42491173	JP	JP2020134000	JP2020198440 A	JP6926294
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86	45678011	US	US14/518137	US20150115412 A1	US9659841
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