

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Thirdspace Living Limited	05/23/2003

RECEIVING PARTY DATA

Name:	Alcatel Telecom Limited
Street Address:	54 rue La Boetie
City:	Paris
State/Country:	FRANCE
Postal Code:	75008

PROPERTY NUMBERS Total: 21

Property Type	Number
Application Number:	09615468
Application Number:	09653039
Application Number:	08343762
Application Number:	09327132
Application Number:	09128244
Application Number:	09352630
Application Number:	09327133
Application Number:	08343092
Patent Number:	5659539
Patent Number:	6112226
Patent Number:	6119154
Patent Number:	5623595
Patent Number:	6138147
Patent Number:	5878220
Patent Number:	5805804

PATENT

500286460

REEL: 019353 FRAME: 0511

CH \$840.00 09615468

Patent Number:	5864682
Patent Number:	6070172
Patent Number:	5655117
Patent Number:	6055577
Patent Number:	6009473
Patent Number:	5826085

CORRESPONDENCE DATA

Fax Number: (732)542-9071

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 732-542-9070

Email: mike@sp-ip.com

Correspondent Name: Michael P. Straub

Address Line 1: 620 Tinton Avenue

Address Line 2: Bld. B 2nd Floor

Address Line 4: Tinton Falls, NEW JERSEY 07724

ATTORNEY DOCKET NUMBER:	ALCATEL GENERAL
NAME OF SUBMITTER:	Michael P. Straub

Total Attachments: 9

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PATENT ASSIGNMENT

28TH MAY

This Patent Assignment (this "Assignment") is made as of 28TH MAY, 2003 by Thirdspace Living Limited (CRN 3949879 whose registered office is at Voyager Place, Shoppenhangers Road, Maidenhead, Berkshire, SL6 2PJ, U.K. ("Assignor"), to **Alcatel**, a French Company organized and existing under the laws of France, having its registered office 54 rue La Boétie, 75008 Paris, France ("Assignee").

RECITALS.

- A. Assignor, and Alcatel Telecom Limited (CRN 02650571) ("Alcatel") have entered into an Asset Purchase Agreement dated as of May 28TH 2003 (the "Asset Purchase Agreement") pursuant to which Assignor has sold its interest in the patents and patent applications as set forth in Schedule A hereto (the "Patents") to Alcatel.
- B. Pursuant to the Asset Purchase Agreement, Assignor is required to assign to Assignee all of Assignor's right, title and interest in and to the Patents.

ASSIGNMENT

NOW, THEREFORE, in consideration of the foregoing premises, the covenants and agreements contained in the Asset Purchase Agreement and the sum of £1.00 now paid by the Assignee to the Assignor (receipt of which the Assignor hereby acknowledges) Assignor hereby:

1. Assigns and delivers to Assignee all of Assignor's right, title and interest in and to the Patents (and regarding Patents that are patent applications, any patents that may issue therefrom), including any foreign counterparts, divisions, continuations or reissues thereof, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; together with all claims for damages by reason of past infringements of the Patents or the actions or omissions of the Assignor's professional and other advisors in connection with the applications for and prosecution of claims in relation to the Patents, along with the right to sue for and collect such damages for the use and

benefit of Assignee and its successors, assigns and other legal representatives.

2. Hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any other country or countries, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

3 Agrees at the request and cost of the Assignee at any time hereafter to execute such document or documents required to perfect the assignments the subject of this Assignment.

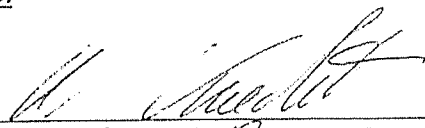
4. Agrees at the request of the Assignee, but at its own cost to procure the consent or evidence of the consent of nCube Corporation to the entry onto the register of patents in any relevant jurisdiction of the Assignee as a joint proprietor of such of the Patents as until now have been jointly owned by the Assignor and nCube Corporation.

IN WITNESS WHEREOF, Assignor and the Assignee have executed this Assignment on the date first above written.

Thirdspace Living Limited

By: 
Name: B. KEATING
Title: CEO

Alcatel

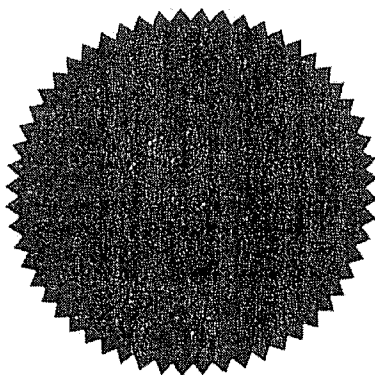
By: 
Name: W. KNECHT
Title: Director Intellectual
Property

State of O. K.

County of Berkshire

On this 22nd day of [May], 2003 before me, the undersigned Notary Public, personally appeared B. Keating, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he or she executed the same.

Seal :



Signature [Signature]

Name AP. M. WATNEY Notary Public

I certify that I was present and saw
B. Keating
the above named sign this document at
33 Queen Street, Maidenhead, Berks. U.K.
this 22nd day of May 2003,
Adrian Peter Mark Watney
Notary Public

B&Co Ref:	Country	S&W Ref:	Applicant	Application/ Patent Number	Patent Number Filed	Next Renewal Due	Status
FRAME ACCURATE ACCESS							
5414230 EPC		NCBE 0031	Thirdspace & nCube	96923772.6	12/07/1996	12/07/2003	Pending
5414240 EPC		NCBE 0362	Thirdspace & nCube	0964578	12/07/1996	12/07/2003	Granted
5414241 EPC		NCBE 0363	Thirdspace & nCube	99116355.1	12/07/1996	12/07/2003	Response due 4 May 2003
5414242 EPC		NCBE 0361	Thirdspace & nCube	99116353.6	12/07/1996	12/07/2003	Response due 30 April 2003
5414250 USA		NCBE 0011	Thirdspace & nCube	5659539	14/07/1995	19/02/2005	Granted
5414251 HK		NCBE 1548	Oracle Corporation	00103442.8	12/07/1996		- Assignment to be done
5414252 HK		NCBE 1550	Oracle Corporation	00103441.9	12/07/1996		- Assignment to be done
5414253 HK		NCBE 1549	Thirdspace & nCube	1024799	12/07/1996	12/07/2006	Granted
5414254 CA		NCBE 1130	Oracle Corporation	2197323	12/07/1996	12/07/2002	Granted
5414255 CA		NCBE 1697	Oracle Corporation	2328238	12/07/1996	12/07/2002	Granted
5414256 CA		NCBE 1698	Oracle Corporation	2328230	12/07/1996	12/07/2002	Granted
5414299 PCT		NCBE 0012	Oracle Corporation	US96/11662	12/07/1996		- Gone National Phase
DYNAMIC GENERATION							
5414330 EPC			Thirdspace Living Limited	01955820.4	13/07/2001	13/07/2003	
5414350 USA		NCBE 1535	Thirdspace & nCube	09/615468	13/07/2000		- Prelim. amend. filed
5414351 TW		NCBE 1535 TW	Thirdspace & nCube	90117214	13/07/2001		- Response filed 16 January 2003
5414352 AU			Thirdspace & nCube		13/07/2001		Pending
5414353 BR		NCBE 1535 BZ	Thirdspace & nCube	P10112418.8	13/07/2001	13/07/2003	Filed Awaiting P of A from AW
5414354 CA		NCBE 1535 CA	Thirdspace & nCube		13/07/2001		Filed
5414355 CN		NCBE 1535 CN	Thirdspace & nCube	01812751.7	13/07/2001		Filed Awaiting P of A from DW due 30 Mar 03
5414356 IL		NCBE 1535 IL	Thirdspace & nCube	153827	13/07/2001		Filed Awaiting P of A from AW due 20/04/03
5414357 IN		NCBE 1535 IN	Thirdspace & nCube	00073DELP/03	13/07/2001		Filed Awaiting P of A from AW
5414358 JP			Thirdspace & nCube		13/07/2001		Pending
5414359 KR		NCBE 1535 KO	Thirdspace & nCube		13/07/2001		Pending Awaiting P of A from AW
5414360 MX			Thirdspace & nCube	2003/000307	13/07/2001		Pending Awaiting P of A from AW
5414361 NZ			Thirdspace & nCube		13/07/2001		Pending

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5414362RU	Thirdspace & nCube	13/07/2001	Pending Awaiting P of A from AW
5414363SG	Thirdspace & nCube	13/07/2001	Pending
5414364VN	Thirdspace & nCube	13/07/2001	Filed Awaiting P of A
5414365CL	Thirdspace Living Limited	16/01/2003	Filed - Non-Con case P of A awaited from AW
5414399PCT	Thirdspace & nCube	13/07/2001	Pending

TAGGING DIGITAL INFORMATION

5414430EPC	NCBE 1508	19/10/2003	Granted 12 February 2003
5414440EPC	NCBE 1508 DIV		Filed
5414450USA	NCBE 0114	22/10/1997	29/02/2004 Granted
5414451AU	NCBE 1506	19/10/1998	Awaiting confirmation of assignment
5414452CA	NCBE 1507	19/10/1998	19/10/2003 recordal
5414453JP	NCBE 1505	19/10/1998	19/10/2002 Pending
5414457HK	NCBE 1508 HK	19/10/1998	- Pending Awaiting P of A from AW
5414499PCT	NCBE 0246	10/11/2000	- Gone National Phase

IN-PROGRESS VIDEO FEED

5414730EPC	NCBE 0426	19/10/1998	19/10/2003 To be granted 2 Apr 03
5414750USA	NCBE 0142	22/10/1997	12/03/2004 Granted
5414751HK	NCBE 1569	19/10/1998	- Assignment to be done
5414752JP	NCBE 0427	19/10/1998	- Pending Awaiting P of A from AW
5414753AU	NCBE 0425	19/10/1998	19/10/2003 Pending
5414754CA	NCBE 0428	19/10/1998	19/10/2002 Pending
5414799PCT	NCBE 0248	19/10/1998	- Gone National Phase

DYNAMIC QUALITY ADJUSTMENT

5414830EPC	NCBE 1533 EU	30/08/2001	Filed
5414850USA	NCBE 1533	01/09/2000	Pending
5414851TW	NCBE 1533 TW	31/08/2001	Awaiting confirmation of response
5414852CA	NCBE 1533 CA		Filed
5414853JP	Thirdspace & nCube		

5414854 MX	NCBE 1533 MX	Thirdspace & nCube			Filed P of A awaited from AW
5414855 CL	NCBE 1533 CL	Thirdspace & nCube	361-2003	26/02/2003	Non-Con
5414856 BR		Thirdspace & nCube			
5414857 IL	NCBE 1533 IL	Thirdspace & nCube	154410		Filed Awaiting P of A from AW
5414858 IN	NCBE 1533 IN	Thirdspace & nCube	202/DELNP/2003		Filed Awaiting P of A from AW
5414859 RU	NCBE 1533 RU	Thirdspace & nCube			Filed Awaiting P of A from AW
5414860 CN	NCBE 1533 CN	Thirdspace & nCube			
5414861 SG	NCBE 1533 SG	Thirdspace & nCube			Filed
5414862 KR	NCBE 1533 KO	Thirdspace & nCube			Filed
5414863 AU	NCBE 1533 AU	Thirdspace & nCube			Filed
5414864 NZ		Thirdspace & nCube			
5414865 VN		Thirdspace & nCube			
5414899 PCT	NCBE 1533 WO	Thirdspace & nCube	US01/27156	30/08/2001	- Pending National Phase 01/03/03
REAL TIME RECONSTRUCTION					
5414901 UK	NCBE 1743	Thirdspace & nCube	2297855	25/09/1995	25/09/2003 Granted
5414950 USA	NCBE 1617	Thirdspace & nCube	5623595	26/09/1994	22/10/2004 Granted
5414951 CA	NCBE 1686	Thirdspace & nCube	2176384	25/09/1995	25/09/2002 Pending Voluntary amendment?
5414952 DE	NCBE 1742	Thirdspace & nCube	19581103.8	25/09/1995	25/09/2002 Granted
5414999 PCT	NCBE 1702	Oracle Corporation	US95/12154	25/09/1995	- Gone National Phase
IMPLEMENTING SEAMLESS PLAYBACK					
5415130 EPC	NCBE 0433	Thirdspace & nCube	1025699	19/10/1998	Granted 12 Feb. 03 FR, DE, NL & 19/10/2003 GB
5415140 EPC	NCBE 0433 DIV	Oracle Corporation	01117966.0	19/10/1998	Pending Awaiting assignment 19/10/2003 from AW
5415150 USA	NCBE 0115	Thirdspace & nCube	6138147	22/10/1997	24/04/2004 Granted
5415151 AU	NCBE 0435	Oracle Corporation	98076/99	19/10/1998	Pending Awaiting confirmation of 19/10/2003 assignment
5415152 CA	NCBE 0436	Thirdspace & nCube	2306932	19/10/1998	19/10/2002 Pending Request exam?
5415153 JP	NCBE 0434	Oracle Corporation	517550/2000	19/10/1998	- Pending Awaiting P of A from AW
5415154 HK	NCBE 0433 DIV HK	Oracle Corporation	02103042.0	23/04/2002	- Pending
5415155 HK	NCBE 0433 HK	Oracle Corporation	00107181.4	10/11/2000	
5415199 PCT	NCBE 0247	Oracle Corporation	US98/22012	19/10/1998	- Gone National Phase

IMPLEMENTING SEAMLESS PLAYBACK

5415299PCT	NCBE 1741	Oracle Corporation	US95/15179	20/11/1995	-Not proceeded with
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MEDIA SERVER

5415350 USA	-	Oracle Corporation	68/343762	21/11/1994	-Abandoned
5415399PCT	NCBE 1730	Oracle Corporation	US95/15279	21/11/1995	-Not proceeded with

SECURE DISTRIBUTION

5415450 USA	NCBE 5301	Thirdspace & nCube	09/327132	07/06/1999	-Official Action, resp. due 17 Mar. 03
5415499PCT		Thirdspace Living Limited			Not filed

DYNAMIC QUALITY ADJUSTMENT

5415550 USA	NCBE 233/038	Thirdspace & nCube	09/128244	03/08/1998	-Official Action, resp. due 14 Apr. 03
5415599PCT		Thirdspace Living Limited			Not filed

IMPLEMENTING SEAMLESS PLAYBACK

5415650 USA	NCBE 0343	Thirdspace & nCube	09/352630	13/07/1999	- Issue Fee paid 4 March 2002
5415699PCT		Thirdspace Living Limited			Not filed

PLAYBACK OF DIGITAL MEDIA

5415750 USA	NCBE 5401	Thirdspace & nCube	09/327133	07/06/1999	-Official Action, resp. due 17 Mar. 03
5415799PCT		Thirdspace Living Limited			Not filed

TRANSFERRING DATA ON A NETWORK

5415850 USA	NCBE 1599	Thirdspace & nCube	5878220	04/11/1997	02/09/2006 Granted
5415899PCT	NCBE -	Oracle Corporation			-Not proceeded with

RETRIEVAL OF MULTIMEDIA DATA

5415950 USA	NCBE 1598	Thirdspace & nCube	5805804	12/03/1997	08/03/2006 Granted
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FRAME ACCURATE ACCESS

5416350 USA	NCBE 0029	Thirdspace & nCube	5854682	21/05/1997	26/07/2006	Granted
DEFRAGMENTATION OF FILE SYSTEM						
5416350 USA	NCBE 0084	Thirdspace & nCube	6070172	06/03/1997	30/11/2003	Granted
INDEXING MULTIMEDIA INFO						
5416450 USA	NCBE 1597	Thirdspace & nCube	5655117	24/09/1996	05/02/2005	Granted
GRANTING BANDWIDTH						
5416550 USA	NCBE 1657	Thirdspace & nCube	6055577	06/05/1996	25/10/2003	Granted
USING CALLBACKS						
5416650 USA	NCBE 087	Thirdspace & nCube	6009473	30/04/1997	28/06/2003	Granted
COMPUTER INTERFACE SUPPORT						
5416750 USA	NCBE 1638	Thirdspace & nCube	5826085	12/07/1995	20/04/2006	Granted
BINARY LARGE OBJECTS						
5416850 USA	NCBE ?	Oracle Corporation	08/343092	21/11/1994		- Abandoned
VIDEO SWITCH						
5404501 UK		Thirdspace Living Limited	0125420.0	23/10/2001		Pending Keep alive or abandon?
5404599 PCT		Thirdspace Living Limited	GB02/004747	22/10/2002		Pending
DISTRIBUTED SERVER						
5409201 UK		Thirdspace Living Limited	0204223.2	22/02/2002		Pending Awaiting comments from Thirdspace. Foreigns?
5409202 UK		Thirdspace Living Limited				
TAS						
5411801 UK		Thirdspace Living Limited	0108354.2	03/04/2001		Abandoned
5411899 PCT		Thirdspace Living Limited	GB02/01610	03/04/2002		Pending Awaiting IPE report

DTT TUNER

5434301 UK

5434302 UK

PVR

5435701 UK

5435702 UK

Thirdspace Living Limited

Thirdspace Living Limited

Thirdspace Living Limited

Thirdspace Living Limited

0212567.2

0228072.5

0214444.2

30/05/2002

02/12/2002

21/06/2002

Pending Foreigns?

Pending Foreigns?

Pending Foreigns?

Awaiting approval for filing

37294.53