

11-21-2000



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U.S. Department of Commerce Patent and Trademark Office PATENT

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Name (line 2)		092683)
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Name (line 1)	CORVIS CORPORATION	If document to be record is an assignment and the	
Name (line 2)		receiving party is not domiciled in the United States, an appointment	
Address (line 1)	7015 ALBERT EINSTEIN	DRIVE of a domestic representative is attache (Designation must be a	ed.
Address (line 2)		separate document from Assignment.)	7
Address (line 3)	COLUMBIA City	MARYLAND 21046–9400 State/Country Zip Code	,
Domestic Re	epresentative Name and A		
Name []
Address (line 1)]
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PATENT

REEL: 011248 FRAME: 0080

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FORM PTO- Expires 06/30/99 OMB 0651-0027	19.446 3 1 2000	CORDATION FOR CONTINUATE PATENTS (TION		U.S. Department of Commerce Patent and Trademark Office PATENT
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Name (line 2)					Execution Date
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Name (line 1)					If document to be recorded is an assignment and the
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Par	tent Application Nu	nber(s)		Patent Num	ber(s)
09/588,527					

PATENT REEL: 011248 FRAME: 0081

FORM PTO- Expires 06/30/99 OMB 0651-0027	-1619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Corresponde	ent Name and Address	Area Code and Telephone Number 44	13-259-4150
Name [MICHAEL C. ANTONE	3	
Address (line 1)	CORVIS CORPORATIO	N IP DEPARTMENT	
Address (line 2)	7015 ALBERT EINST	EIN DRIVE	
Address (line 3)	PO BOX 9400		
Address (line 4)	COLUMBIA, MARYLA	ND 21046-9400	
Pages	Enter the total number of parincluding any attachments.	ges of the attached conveyance documen	# 3
	lumber(s) or Patent Num	Walk ii addit	ional numbers attached
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If this document is I signed by the first	being filed together with a <u>new</u> Pater named executing inventor.	nt Application, enter the date the patent application wa	as Month Day Year
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	f a U.S. Application Number of been assigned.	PCT PCT	PCT
Number of Pr	operties Enter the tota	al number of properties involved. #	/
Fee Amount	Fee Amount fo	or Properties Listed (37 CFR 3.41): \$	40.00
Method of Deposit A	Payment: Enclos		,
	lyment by deposit account or if additi	ional fees can be charged to the account.) eposit Account Number: #	500477
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Statement and	d Signature		
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	ael C. Antone Ferson Signing	Signature 2 Minutes	Date
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PATENT REEL: 011248 FRAME: 0082

ASSIGNMENT OF INVENTION

	\boxtimes U.S. and/or \boxtimes For \boxtimes U.S. Application or		onal Applicat	ion	
For: For:	U.S. Patent				
	☐ PCT Application ☒ Inventor(s) or ☐ P	Present Owner			
,	_ (, _				
In consideration	of the payment by AS	SIGNEE(S) to AS	SSIGNOR(S) of the sum of O	ne Dollar (\$1.00),
the receipt of which is he	reby acknowledged, a	and for other good	u and valuar	die consideration,	
ASSIGNOR(S)					
	7015 Albert Einsteir		400,		
Pramode Kandpal	Columbia, MD 2104	46-9400			U.S.A
name of Assignor	Address	- Dales DO Design	400		Nationality
Alistair J. Price	7015 Albert Einsteir Columbia, MD 2104		400,		U.K.
name of Assignor	Address	40-9400			Nationality
	7015 Albert Einstein	Drive,PO Box 9	400,		radorianty
David F. Smith	Columbia, MD 2104				U.K.
name of Assignor	Address				Nationality
Recorded on		Reel	Frame		
hereby sells, assigns and	transfers to	<u> </u>			
noroby sons, assigns and	transiers to				
ASSIGNEE(S):					
	7015 Albert Eins	tein Drive			
CORVIS Corporation	PO Box 9400			Delaware Corpo	oration
(name of ASSIGNEE)	Columbia, MD 2 Address	1046-9400		A I - 12 124	
				Nationality	
and the successors, assi	gns and legal represe	ntatives of the A	SSIGNEE(S)	
the entire right, ti	tle and interest for the	United States a	nd its territor	ial possessions	
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and in all foreign which are disclos	countries, including a sed in the invention en	ill rights to claim _l ititled:	oriority, in ar	id to any and all i	mprovements
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(a) 🔲 U.S. patent a	application executed o	n even date here	with		
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<u></u>	ion no.:09 <u>/588,527</u> file	ed on <u>June 6, 200</u>	<u>00</u>		

Assignment of Invention-page 1 of 2

DOCKET NO. 990607PK		PATENT		
(e) International application no and amended on				
(f) U.S. patent no.	issued			
A change of address to fees is being sent se	o which correspondence is to be sent regarding pater eparately.	nt maintenance		
and to, all Letters Patent to	and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or reexamination thereof.			
ASSIGNOR(S) hereby covenants to made or entered into which would c	hat no assignment, sale, agreement or encumbrance onflict with this assignment;	e has been or will		
pertinent facts and documents relating be known and accessible to ASSIGNO proceeding related thereto and will property any and all papers, instruments or affice	hat ASSIGNEE(S) will, upon its request, be provided to said invention and said Letters Patent and legal ed R(S) and will testify as to the same in any interference mptly execute and deliver to ASSIGNEE(S) or its leg lavits required to apply for, obtain, maintain, issue anters Patent and said equivalents thereof which may breof.	quivalents as may be, litigation or al representatives d enforce said		
N WITNESS WHEREOF, ASSIGNOR	(S) have hereunto set hand and seal this:			
Pramode Kandpal Jame of Assignor or Jame & Title of Person entitled to sign on sehalf of Assignor	Signature of Assignor or Person entitled to sign on behalf of Assignor	Date		
listair J. Price	Alistair J. Price	8/28/00		
ame of Assignor or ame & Title of Person entitled to sign on ehalf of Assignor	Signature of Assignor or Person entitled to sign on behalf of Assignor	Dáte 7		
avid F. Smith	David F. Smith	8-15-00		
ame of Assignor or ame & Title of Person entitled to sign on ehalf of Assignor	Signature of Assignor or Person entitled to sign on behalf of Assignor	Date		
lace of signing of assignment				
ity/County : tate :				
ountry : Before me this day				
	Smith, to me known to be the person(s) who is in it is in			
n me ourouse merem expressed.				

My Commission Expires November 1, 2003

Notary Public or Consular Officer of the United States of America

Notarization of this document is only prima facie evidence of execution, 35 USC 261.

Place of signing of assignment

City/County:

State

Country

assignment instrument and acknowledged its contents of their own free will for the purpose therein expressed.

Notarization of this document is only prima facie evidence of execution, 35 USC 261. NOTE:

> GLADYS MARIE DONACHY NOTARY PUBLIC STATE OF MARYLAND My Commission Expires November 1, 2000

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