

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Klaas Zwart	08/23/1999

RECEIVING PARTY DATA

Name:	Petroline WellSystems Limited
Street Address:	Offshore Technology Park
Internal Address:	Claymore Drive, Bridge of Don
City:	Aberdeen
State/Country:	UNITED KINGDOM
Postal Code:	AB23 8GD

PROPERTY NUMBERS Total: 5

Property Type	Number
Patent Number:	4883121
Patent Number:	5355950
Patent Number:	5366010
Patent Number:	5467822
Patent Number:	5538082

CORRESPONDENCE DATA

Fax Number: (713)693-4802

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

Phone: 713-693-4712

Email: neal.fagan@weatherford.com

Correspondent Name: Neal Fagan

Address Line 1: 515 Post Oak Blvd. Suite 600

Address Line 4: Houston, TEXAS 77027

NAME OF SUBMITTER:

Neal Fagan

PATENT

500033426

REEL: 016069 FRAME: 0404

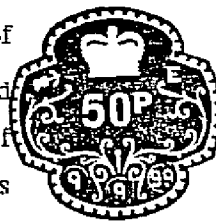
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**Total Attachments: 10**

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THIS ASSIGNMENT is made the 23<sup>rd</sup> day of August One thousand nine hundred and ninety nine BETWEEN KLAAS JOHANNES ZWART, a Dutch subject of Apartment 18G, No1, Rue des Genêts, Monaco (hereinafter call "the Assignor") of the one part and PETROLINE WELLSYSTEMS LIMITED, a Company organised under the Laws of Scotland, of Offshore Technology Park, Claymore Drive, Bridge of Don, Aberdeen AB23 8GD, and any predecessors or wholly owned subsidiaries thereof, including PETROLINE WIRELINE SERVICES LIMITED, (hereinafter called "the Assignee") of the other part.



WHEREAS

- (a) The Assignor is Chairman of the Assignee and prior to and during his term as such the Assignor has conceived, developed and contributed to a number of ideas, concepts, products and inventions relating to the business of the Assignee (hereinafter collectively referred to as "the Inventions") including those Inventions which are the subject of the patent applications and patents as listed in the attached Schedule (hereinafter referred to as "the Patents").
- (b) A number of the Patents currently identify the Assignor as the proprietor thereof.
- (c) The parties hereto have agreed that the Inventions, the Patents, and all other Intellectual Property Rights associated therewith should be transferred by the Assignor to the Assignee for the consideration hereinafter set forth.

NOW THIS DEED WITNESSETH as follows:-

1. In consideration of the sum of £1.00 (One pound sterling) now paid the Assignee to the Assignor, the receipt whereof is hereby acknowledged, the Assignor as beneficial owner hereby assigns, transfers and releases unto the Assignee ALL THAT his entire right, title, share and interest in and to the Inventions and the Patents and the full sole and exclusive benefit of the Patents and any and all extensions, continuations, divisions, renewals,

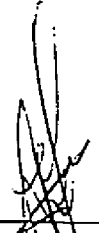
*substitutes or reissues thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property and including the right to claim damages or an account of profits in respect of infringements of the Patents or any other Intellectual Property Rights relating to the Inventions which occurred prior to the date of this assignment.*

2. The Assignee shall have the right to apply in the name of the Assignee for Industrial Property Rights protecting the Inventions including Letters, Patents, Petty Patents, Utility Models and Design Patents or Registered Design with or without claim to priority under the provisions of the International Convention Agreement for the Protection of Industrial Property in any country or countries throughout the world.
3. The Assignor shall at the request and expense of the Assignee execute all documents and do all acts and things as may be necessary or proper for obtaining Patents or like exclusive privileges in respect of the Inventions.
4. It is hereby certified that the transaction hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value or the aggregate amount or value of the consideration exceeds Sixty thousand pounds sterling (£60,000).
5. The Expressions "the Assignor" and "the Assignee" shall where the context so admits include their respective legal successors representative and assigns.

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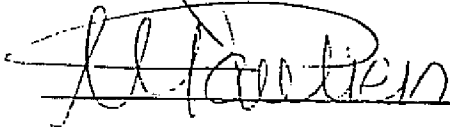
IN WITNESS whereof these presents have been entered into the day and year first before written.

Signed by the said

  
KLAAS JOHANNES ZWART

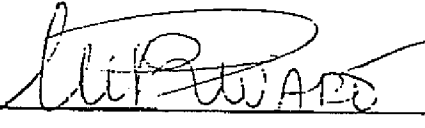
in presence of

Witness :



: STUDENT  
PALLIGN ZWART  
DRUMGARTH  
INCHGARTH ROAD  
CULTS ABISQUX  
ABERDEEN  
SCOTLAND

Signed on behalf of  
PETROLINE WELLSYSTEMS LIMITED

  
DIRECTOR/SECRETARY

  
DIRECTOR

100  
THE SCHEDULE

PART 8

INDUSTRIAL PROPERTY RIGHTS

1.1 Toolstring Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
ADJUSTABLE UPSTROKE JAR (P.A.J.)	UK CANADA FRANCE HOLLAND AUSTRALIA USA INDIA	GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 0147154 PAT NO. 1233165 PAT NO. 0147154 PAT NO. 0147154 PAT NO. 573664 PAT NO. 4607962 PAT NO. 162803
QUICK LOCK SYSTEM (QLS)	UK CANADA USA MALAYSIA FRANCE HOLLAND	GRANTED GRANTED GRANTED GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 0263671 PAT NO. 1304949 PAT NO. 5052849 PAT. MY-104303-A PAT NO. 0263671 PAT NO. 0263671
EASY ADJUST JAR	UK USA	GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2254093 PAT NO. 5267613
LOCKING TOOL (FOR E.A.J.)	UK	GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2254646
SPRING ROLLER CENTRALISER	EPO -  UK GERMANY DENMARK FRANCE ITALY HOLLAND AUSTRALIA CANADA NORWAY USA	GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED	PCT NO. GB93/00951	PAT NO. 0585315  PAT NO. 0585315 PAT NO. 0585315 PAT NO. 0585315 PAT NO. 0585315 PAT NO. 0585315 PAT NO. 657536 PAT NO. 2102317 PAT NO. 304897 PAT NO. 5355950

## 1.2 Uniset Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
UNISET LOCK	UK CANADA USA MALAYSIA FRANCE GERMANY HOLLAND ITALY BRUNEI	GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED APPLIED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2207157 PAT NO. 1286600 PAT NO. 4883121 PAT. MY-103692-A PAT NO. 0298683 PAT NO. 0298683 PAT NO. 0298683 PAT NO. 0298683 NOT ISSUED YET
ANTI-BLOWOUT DEVICE (A.B.D.)	UK USA	GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2241264 PAT NO. 5156209
THROUGH SAFETY VALVE BOMB HANGER	UK	GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2244739
RETRACTABLE NO-GO STANDING VALVE	AUSTRALIA CANADA USA	GRANTED GRANTED GRANTED	PCT GB92/01524	PAT NO. 658923 PAT NO. 2113468 PAT NO. 5409059
PUMP OPEN PLUG (P.O.P.)	UK USA AUSTRALIA NORWAY FRANCE  HOLLAND SINGAPORE	GRANTED GRANTED GRANTED GRANTED GRANTED  GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 0063596 PAT NO. 4487221 PAT NO. 552668 PAT NO. 162579 PAT NO. 0063596  PAT NO. 0063596 PAT NO. 8890243.2
METAL SEALING PLUG	UK	GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2285822
BORE SEALING PLUG	UK	GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2295171
SELECTIVE LOCK	UK  USA	GRANTED  GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2286843  PAT NO. 5538082

## 1.3 Slickplug Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
PACK OFF ELEMENT	EPO -  UK HOLLAND FRANCE GERMANY DENMARK	FINAL STAGES OF P.C.T. APPL.	PCT/GB92/01568	APPL. 92918167.5
European Patent Application No. 92918167.5 was granted as European Patent No. EP 0599964 on 14 April 1999.				
	USA	GRANTED		PAT NO. 5467822
RETRIEVABLE BRIDGE PLUG	EPO - UK GERMANY DENMARK FRANCE ITALY HOLLAND AUSTRALIA CANADA VENEZUELA RUSSIA USA	GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED GRANTED APPLIED GRANTED GRANTED	PCT/GB93/00605	0578681 0578681 0578681 0578681 0578681 0578681 9107282 2107210 APPL. 0514-92 2100568 5366010
Australian Patent Application 14494192 (9107282.7 was the number of the original UK Application) was granted under Serial No. 654704.				
BRIDGE PLUG MECHANICAL RUNNING TOOL		GRANTED	NOT APPLICABLE TO THIS PRODUCT	2284622



## 1.4 TB Valve Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
MINIMAL EROSION FLOW DEVICE (M.E.F.D)	UK	INITIAL 1 <sup>ST</sup> YEAR APPL. ONLY	NOT APPLICABLE YET	APPL. 9825568
The correct Application No. is 9825568.0.				
CHEMICAL INJECTION SUB (C.I.S)	UK	INITIAL 1 <sup>ST</sup> YEAR APPL. ONLY	NOT APPLICABLE YET	APPL. 9614451.4
The application has been "completed" and published under Serial No. 2315082.				
IMPROVEMENTS TO RUSSELL VALVE (FSV)	UK USA UK - DIVISIONAL	GRANTED GRANTED GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2296555 PAT NO. 5636661 PAT NO. 2324849
TB-CIV & SHIFTING TOOL	EPO - DENMARK  HOLLAND GERMANY FRANCE ITALY OAPI USA NORWAY AUSTRALIA UK (SEPARATE APPL)	PCT APPL. STAGE ONLY	PCT\GB97\01629	APPL. 97926139.3     APPL. 9800240 NOT ISSUED YET APPL. 1998/5901 APPL. 31019/97 APPL. 9827543.1
The "PCT" Application is beyond the "PCT APPLICATION STAGE ONLY" and is now in the regional and national phases as indicated (this "error" occurs in numerous entries).				
IMPROVED CHECK VALVE (HSV/E)	UK USA	PCT APPL. STAGE ONLY	PCT\GB96\01798	APPL. 9801656.1 APPL. 091000292
The correct US Patent Application No. is 09\000.292.				
TUBING PRESSURE ACTIVATED CIRCULATION SUB (T.P.A.C.S)	UK	INITIAL 1 <sup>ST</sup> YEAR APPL. ONLY	NOT APPLICABLE YET	APPL. 9905279.7

## 1.5 EST Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
PCT/GB96/01250				
EST CONNECTOR	EPO -			PAT NO. 0824628
	DENMARK	GRANTED		PAT NO. 0824628
	ITALY	GRANTED		PAT NO. 0824628
	HOLLAND	GRANTED		PAT NO. 67098-BE/99
	UK	GRANTED		PAT NO. 0824628
	USA	PCT APPL. STAGE ONLY		APPL NO. 08/952,958
	NORWAY			APPL NO. 975350
	OAPI			APPL NO. 70135
	AUSTRALIA	GRANTED		PAT NO. 698614
	CHINA			APPL NO. 96194119.7
		PCT APPL. STAGE ONLY		
	EURASIA			APPL NO. EA 970417GB
	SINGAPORE			APPL NO. 9706145-1
	UKRAINE			APPL NO. 97126232
	NEW ZEALAND			APPL NO. 308590
	JAPAN			APPL NO. H8-535506
	COLOMBIA			APPL NO. 96058074
	VENEZUELA			APPL NO. 1909-96
US Patent Application No. 08/952,745 issued as Patent No. 5,924,745 on 20 July 1999. The New Zealand Application issued as Patent No. 308590 on 24 May 1998. The correct Colombian Application No. is 96058974.				
UPSET EST CONNECTOR	EPO -		PCT/GB96/03026	APPL NO. 96940687.5
	GERMANY	PCT APPL. STAGE ONLY		DESIGNATED ONLY
	UK			DESIGNATED ONLY
	ITALY			DESIGNATED ONLY
	HOLLAND			DESIGNATED ONLY
	DENMARK			
	SINGAPORE			APPL NO. 9803267-5
		PCT APPL. STAGE ONLY		
	CHINA			APPL NO. 96198907.6
	JAPAN			APPL HO9-521833
	NORWAY			APPL NO. 982625
	USA			APPL NO. 09/077.777
	AUSTRALIA			APPL NO. 10688\97

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
UPSET EST CONNECTOR (NODES) UK Application No. 9816834.7 is an ex- PCT National Phase Application.	UK	INITIAL 1 <sup>ST</sup> YEAR APPL. ONLY	NOT APPLICABLE YET	APPL NO. 9816834.7
RECESSED CONCENTRIC CONNECTOR	ALL COUNTRIES DESIGNATED	INITIAL PCT STAGE	PCT/GB98/00863	NOT APPLICABLE
EXPANDABLE CONES The US Application is No. 09/077,116.	EUROPE USA	APPLIED	NOT APPLICABLE TO THIS PRODUCT	APPL NO. 96939217.4 APPL NO. 09/077,116
DOG BONE SLOT EST	ALL COUNTRIES DESIGNATED	INITIAL PCT STAGE	PCT/GB97/03450	NOT APPLICABLE
HYDRO-MECH RUNNING TOOL	UK USA	APPLIED	NOT APPLICABLE TO THIS PRODUCT	APPL NO. 9726379.2 APPL NO. 08/988,532
SET ON BOTTOM EST TOOL	EUROPE USA	APPLIED	NOT APPLICABLE TO THIS PRODUCT	APPL NO. 96938328.0 AWAITING OFFICIAL NO.
EXPANDABLE TUBING CROSSOVER	ALL COUNTRIES DESIGNATED	INITIAL PCT STAGE	PCT/GB98/03261	NOT APPLICABLE
CONCENTRIC EST COUPLING UK Application No. 9705928.1 has been superseded by International (PCT) Application No. PCT/GB98/00863.	UK ONLY	APPLIED	NOT APPLICABLE TO THIS PRODUCT	APPL NO. 9723338.1
EST ECP	ALL COUNTRIES DESIGNATED	INITIAL PCT STATE	PCT/GB 98/02066	NOT APPLICABLE
ESS CONNECTION SEALING UK Application No.9817246.3 has been superseded by an International (PCT) Application (filing details not available yet).	UK ONLY	APPLIED	NOT APPLICABLE TO THIS PRODUCT	APPL NO. 9817246.3

## 1.6 Other Product Line Patent Register

PRODUCT DESCRIPTION	RELEVANT COUNTRIES	STATUS	CO-OPERATION TREATY NUMBER	DOCUMENT NUMBER
SELECTIVE PRODUCTION AND CEMENTING	UK	GRANTED	NOT APPLICABLE TO THIS PRODUCT	PAT NO. 2300013
DRILLING METHOD (E.C.D)	UK	INITIAL 1 <sup>ST</sup> YEAR APPL. ONLY	NOT APPLICABLE YET	APPL. 9904300.4

The correct Application No. is 9904380.4.

## 1.7 Trademark Register

TRADEMARK	RELEVANT COUNTRIES	STATUS	REG No.
UNISET	UK	GRANTED	1564958
QLS	UK BRAZIL	GRANTED APPLICATION	1564991 APPL NO. 820422797
E.S.T.	UK	GRANTED	2117639
E.S.S.	UK	GRANTED	2117742
E.C.L.	UK	GRANTED	2117642
A.B.L.	UK	GRANTED	2117643
LASER LINER	UK	APPLICATION	APPL NO. 2170719
LASER SCREEN	UK	APPLICATION	APPL NO. 2170722
LASER MEMBRANE	UK	APPLICATION	APPL NO. 2170723
PETROLINE	UK NORWAY USA	GRANTED GRANTED APPLICATION	2014397 192617 & 192618 NOT ASSIGNED YET