

**Particulars of a mortgage or charge****395**Please do not  
write in  
this margin

Pursuant to section 395 of the Companies Act 1985

Please complete  
legibly, preferably  
in black type, or  
bold block lettering\* insert full name  
of companyTo the Registrar of Companies  
(Address overleaf - Note 5)

For official use

Company number



2680769

Name of company

\* CONSTRUCTION ROBOTICS LIMITED

Date of creation of the charge

19th January 1996

Description of the instrument (if any) creating or evidencing the charge (note 2)

DEED OF MORTGAGE OF INTELLECTUAL PROPERTY AND PLANT AND MACHINERY

Amount secured by the mortgage or charge

Any and all moneys obligations and liabilities now or in the future due owing or incurred to the Lender by the Company whether actually or contingently and whether alone or jointly with any other person and whether as principal or surety and whether on any current or other account or otherwise.

Names and addresses of the mortgagees or persons entitled to the charge

INTELLIGENT SYSTEMS SOLUTIONS LTD (NO 2258823) National Advanced  
Robotics Research Centre, University Road, Salford,

Postcode M5 4PP

Presentor's name address and  
reference (if any):

PANNONE & PARTNERS  
123 DEANS GATE  
MANCHESTER  
M3 2BU

Ref: CST

Time critical reference

For official Use  
Mortgage Section

Short particulars of all the property mortgaged or charged

First fixed charge over such part of the physical materials in respect of which intellectual property rights may subsist including those listed in the continuation sheet and materials directly or indirectly derived from the physical materials now in existence or owned by the Company and the plant, machinery, equipment, parts and components listed in the continuation sheet and all spare parts, replacements, modifications and additions for the same.

First equitable charge over such part of the physical materials and derivative materials not yet in existence but created or acquired by the Company after the date of the mortgage.

Charge by way of assignment (subject to the Company's right redemption), licence and trust of the Company's title and interest in and to the intellectual property rights of the Company including without limitation those listed in the continuation sheet and the intellectual property rights licenced to the Company.

CONT.

Please do not write in this margin.

Please complete legibly, preferably in black type, or bold block lettering

Particulars as to commission allowance or discount (note 3)

Signed



Date

6 Feb 96

On behalf of [company] ~~[mortgagee/chargee]~~†

DIRECTOR.

† delete as appropriate

Notes

- 1 The original instrument (if any) creating or evidencing the charge, together with these prescribed particulars correctly completed must be delivered to the Registrar of Companies within 21 days after the date of creation of the charge (section 395). If the property is situated and the charge was created outside the United Kingdom delivery to the Registrar must be effected within 21 days after the date on which the instrument could in due course of post, and if dispatched with due diligence, have been received in the United Kingdom (section 398). A copy of the instrument creating the charge will be accepted where the property charged is situated and the charge was created outside the United Kingdom (section 398) and in such cases the copy must be verified to be a correct copy either by the company or by the person who has delivered or sent the copy to the registrar. The verification must be signed by or on behalf of the person giving the verification and where this is given by a body corporate it must be signed by an officer of that body. A verified copy will also be accepted where section 398(4) applies (property situate in Scotland or Northern Ireland) and Form No. 398 is submitted.
- 2 A description of the instrument, eg "Trust Deed", "Debenture", "Mortgage" or "Legal charge", etc, as the case may be, should be given.
- 3 In this section there should be inserted the amount or rate per cent. of the commission, allowance or discount (if any) paid or made either directly or indirectly by the company to any person in consideration of his;
  - (a) subscribing or agreeing to subscribe, whether absolutely or conditionally, or
  - (b) procuring or agreeing to procure subscriptions, whether absolute or conditional,for any of the debentures included in this return. The rate of interest payable under the terms of the debentures should not be entered.
- 4 If any of the spaces in this form provide insufficient space the particulars must be entered on the prescribed continuation sheet.
- 5 The address of the Registrar of Companies is:-  
Companies House, Crown Way, Cardiff CF4 3UZ

Continuation sheet No. 1  
to Forms Nos 395 and 410 (Scot)

2680769

Name of company

CONSTRUCTION ROBOTICS LIMITED

Limited\*

\*Delete if inappropriate

Description of the instrument creating or evidencing the mortgage or charge (continued) (note 2)

Amount due or owing on the mortgage or charge (continued)

Please do not  
write in this  
margin

Please complete  
legibly, preferably  
in black type, or  
bold block lettering

P.T.O.

Names, addresses and descriptions of the mortgagees or persons entitled to the charge (continued)

P.T.O.

Intellectual Property Rights

1. Copyright on Design Drawings, Reference Numbers:

CRL/200/001      Sheets 1 to 26 inclusive.

CRL/200W/001      Sheets 1 to 21 inclusive.

2. Trade Marks:

'ROBO-WRIST'      Registered Number: 1504651

'STARLIFTER'      Application Number: 2050183

Name: Construction Robotics Limited

Company No: 2680769

Continuation Sheet 2

Physical Materials

COMPONENT PART NUMBERS: CRL/200/001-Items as listed:

Item	Description	Item	Description	Item	Description
1	Base Housing	26	Cover Plate	51	Manifold
2	Turntable	27	Bearing Housing	52	Manifold
3	Cylinder Bracket	28	Shaft	53	Drive Plate
4	Boom Support	29	Bearing Housing	54	Spacer
5	Manifold	30	Stub Shaft	55	Shim
6	Manifold	31	Clamp Plate	56	Bush
7	Manifold Plate	32	Shim	57	Spur Gear
8	Manifold Block	33	Shim	58	Bracket
9	Schedule 3 Serial 4	34	Shield	59	Cover Plate
10	Schedule 3 Serial 4	35	Access Plate	60	Bracket
11	Schedule 3 Serial 4	36	Access Plate	61	Boss
12	Schedule 3 Serial 4	37	Boom —	62	Shim
13	Cable Bracket	38	Manifold	63	Pivot Pin
14	Clamp Plate	39	Manifold Bracket	64	Retainer
15	Cable Guide	40	Housing	65	Pivot Pin
16	Gear 350T-0.5M	41	Housing	66	Retainer
17	Flange	42	Clamp Plate	67	Resolver Brckt
18	Flanged Bush	43	Clamp Plate	68	Cover
19	Pin	44	Housing	69	Gasket
20	Flanged Bush	45	Manifold	70	Manifold Plate
21	Housing	46	Bush	71	Valve Body Cap
22	Presssure Ring	47	Shim	72	Valve Body
23	Locking Ring	48	Shim	73	Valve
24	Housing	49	Housing Cover	74	Shaft
25	Housing Cap	50	Boom Supt. Cover	75	Spur Gear

COMPONENT PART NUMBERS: CRL/200W/001-Items as listed:

Item	Description	Item	Description
1	Manifold Plate	19	Spur Gear 220T-0.5M
2	Valve Block	20	Resolver Support Plate
3	Valve Body	21	Cover Plate
4	Gallery Plate	22	Bearing Block
5	Side Plate	23	Internal Gear 126T-0.5M
6	Cover Plate	24	Manifold Sleeve
7	Bearing Block	25	Wrist Rotate Block
8	Rotary Manifold	26	Spur Gear Mounting Plate
9	Manifold Sleeve	27	Manifold Bush
10	Pitch Side Plate	28	Manifold Bush
11	Side Plate	29	Manifold Bush
12	Yaw Block	30	Manifold Bush
13	Side Plate	31	Resolver Mounting Assembly
14	Side Plate	32	Spur Gear Support Shaft
15	Manifold Bush	33	Wrist Rotate Insert
16	Manifold Bush	34	Cover Plate
17	Gear Tube Assembly	35	Cover Plate
18	Resolver Bracket		

Name: Construction Robotics Limited

Company No: 2680769

Continuation Sheet 30

Plant and Machinery

1. Qty 3 Helac planetary helical actuators; Types: PRM 6.6, PRM 4.8 and PRM 3.3 respectively.
2. Qty 2 Danfoss Hydraulic Motors; Types: OMP.80 and OMSS.125 respectively.
3. Qty 1 Hunger linear actuator; 100mm bore x 330mm stroke.
4. Qty 2 Davall 'Spiradrive' gear sets; Torque Ratings: 12000 and 5000 respectively.
5. Qty 2 Regiana Riduttori epicyclic gearboxes; Types: RR.63.F and RR.100.F respectively.
6. Qty 1 Roballo slewing ring; Type: 060.30.0474.100.11.1503.
7. Qty 8 Sun hydraulic check valves; Type: DKDC XHN.
8. Qty 4 Sun hydraulic manifolds: EBX (150446).
9. Qty 10 Bearings; Part Numbers: 39585D-39520; 22210E; 33211 (Qty 2); 31309; 32018; NA4909-2RS; 6021-2RS (Qty 2); 822049/822010.
10. Qty 6 Moog direct-drive hydraulic servo valves; Type D633.
11. Qty 6 Siemens Size 08 brushless resolvers; Part Number: V23401-G1001B001.
12. Qty 6 Gerwah miniature bellows couplings; Part Number: EK9/1.
13. Qty 6 Deutsch connector elements; Part Numbers: DTS26W19-35SN; DTS29W17-08SN; DTS26W21-41SN; DTS20W19-35PN; DTS20W17-08PN; DTS20W21-41PN respectively.
14. Qty 4 Hypertac connector elements; Part Numbers: HMVUOMH14M72M51MA12; HMVUOFH14F72F51FA12; HMVUOMH12M72M51MA8; HMVUOFH12F72F51FA8 respectively.
15. Qty 1 Tekdata arterial loom; Reference Number: CRL/TECH/1/8/2A-10.
16. Qty 86 Hydraulic seals comprising: Hunger Qty 31 Type RDI/RDA; Shamban Qty 6 Type Nitrile Quadring; Simrit Simmering Qty 49 Types BAFUD/BABSL/BAUD.
17. Qty 10 HPC Spur Gears comprising: Part Nos: INO.5-126T; PGO.5-112T, 220T; GO.5-216T; ABO.5-100t, 56T, 90T, 110T, 84T and 108T.
18. Qty 1 Flupak Hydraulic Power Supply; Serial Number: WO 2597.
19. Qty 1 Assembly and Test Stand. Design and File Reference: CRL/TECH/1/8/5



FILE COPY



## CERTIFICATE OF THE REGISTRATION OF A MORTGAGE OR CHARGE

Pursuant to section 401(2) of the Companies Act 1985

COMPANY No. 02680769

THE REGISTRAR OF COMPANIES FOR ENGLAND AND WALES HEREBY CERTIFIES THAT A DEED OF MORTGAGE OF INTELLECTUAL PROPERTY AND PLANT AND MACHINERY DATED THE 19th JANUARY 1996 AND CREATED BY CONSTRUCTION ROBOTICS LIMITED FOR SECURING ALL MONIES DUE OR TO BECOME DUE FROM THE COMPANY TO INTELLIGENT SYSTEMS SOLUTIONS LIMITED ON ANY ACCOUNT WHATSOEVER WAS REGISTERED PURSUANT TO CHAPTER 1 PART XII OF THE COMPANIES ACT 1985 ON THE 8th FEBRUARY 1996.

GIVEN AT COMPANIES HOUSE, CARDIFF THE 12th FEBRUARY 1996.

A handwritten signature in black ink, appearing to read 'A. J. Wakeham', with a long horizontal flourish extending to the right.

A. J. WAKEHAM

for the Registrar of Companies



COMPANIES HOUSE

HC026B

Post  
12/2/96  
Jm