Form PTO-1595 (Rev. 0 OMB No. 0651-0027 (ex		04-30	-2008		MENT OF COMMERC ent and Trademark Offi		
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To the Director of t	the U.S. Patent ε	10349	9758	uments or the new	address(es) below.		
1. Name of conv	Name of conveying party(ies): Dominique Blanc (11/29/2007) and Niclas Sjöstrand (12/05/2007)			2. Name and address of receiving party(ies) Name: ABB RESEARCH LTD.			
O) Ojoomana (1270	30,2001)		Internal Address	s:			
Additional name(s) of c	conveying party(ies) attach	ed? Yes X No	Street Address:				
3. Nature of conve	eyance/Execution D	ate(s):					
Execution Date(s):	in parentheses after	er inventor name	Affolternstras	se 44			
x Assignment	Merger	Change of Name					
Security Agree	ement Joint Res	search Agreement	City:	Zürich			
Government in	nterest Assignment		State:				
Executive Orde	er 9424, Confirmatory	License	Country:	Switzerland 2	Zip: CH-8050		
Other			Additional name(s) & address(es)				
			attached?				
i	patent number(s):		,	eing filed together with a	new application.		
A. Patent Applicati 11/987	• •		B. Patent No	o.(s)			
1,7007	,022						
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5. Name and addres concerning docu		ondence	<u> </u>	of applications and	1		
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City: State: Phone Number: Fax Number: Email Address:	Eric J. Fra VENABLE tty. Dkt.: 43314-253 O. Box 34385 Washingto (202) 34 (202) 344 ejfranklin@	ondence led: Inklin LLP 3637 In Zip: 20043-9998 4-4936 4-8300 Venable com Signature Signature	6. Total number patents involv 7. Total fee (37 C	of applications and yed: CFR 1.21(h) & 3.41) \$_ ted to be charged by cred to be charged to depot to d	40.00 it card sit account est not affecting title 22-0261 nklin 5, 2008 ite		

PATENT

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REEL: 020887 FRAME: 0596

40.00 DA

Attorney Docket: 43314-253637 400655US AR NJ

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Dominique Blanc, Södra Billstagatan 6, SE-722 40 Västerås, Sweden; and Niclas Sjöstrand, Södra Billstagatan 36, SE-722 40 Västerås, Sweden, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to METHOD AND DEVICE FOR MONITORING THE CONDITION OF AN INDUSTRIAL ROBOT for which said assignor has caused an application for United States Letter Patent to be prepared,

	C
[X] the inventor instrument:	's declaration for said application being executed concurrently with the execution of this
,	tion to be filed in the United Ctatas Dataset and Tandassad. ACC
[] said Non-Pr	tion to be filed in the United States Patent and Trademark Office; ovisional application having been filed in the United States Patent and Trademark Office on
	, and given Application Number;
Application	ion having been filed under the Patent Cooperation Treaty on, and given No, the United States of America having been designated.
AND WHEREA	
	Affolternstrasse 44
	CH-8050 Zurich
	Switzerland
application, inclu	ed to as the assignees are desirous of acquiring the entire right, title and interest in and to said adding any divisions and continuations thereof, and in and to said invention and any patents anted therefor, including any renewals, reissues and prolongations thereof;
consideration pai assignor hereby a entire and exclus divisions and cor reissues and prol- exercise and enjourned and any patents wall the rights, pow the term or terms for the use and be manner as the sai made.	TNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable d by said assignees to said assignor, the receipt of which is hereby acknowledged, said assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the ive right, title and interest in and to said invention and to said application, including any transations thereof, and in any patents which may be granted therefor, including any renewals, ongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, by the said invention and said application, including any divisions and continuations thereof, which may be granted therefor, including any renewals, reissues and prolongations thereof, which may be granted therefor, including any renewals, reissues and prolongations thereof, of any such patents when granted, including any renewals, reissues and prolongations thereof, enefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a diassignor might or could have held and enjoyed the same, if this assignment had not been or hereby agrees to perform, upon the request of said assignee, or said assignee's successors or
assigns, any acts and prolongation	relating to the obtaining or to the asserting of said patents, including any renewals, reissues
on said application	or authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on, and on any divisions and continuations thereof, to said assignee, and said assignee's signs, in accordance herewith.
EXECUTED, thi	s 29 day of November, 2007
Signature:	Fr. S.
Vame:	Dominique Blanc
Address:	Södra Billstagatan 6, SE-722 40 Västerås, Sweden
EXECUTED, thi	sday of, 2007
Signature:	
Vame:	Niclas Sjöstrand
Address:	Södra Billstagatan 36, SE-722 40 Västerås, Sweden
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Attorney Docket: 43314-253637 400655US AR NJ

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Dominique Blanc, Södra Billstagatan 6, SE-722 40 Västerås, Sweden; and Niclas Sjöstrand, Södra Billstagatan 36, SE-722 40 Västerås, Sweden, hereinafter (collectively) referred to as the assignor, has invented certain improvements relating to METHOD AND DEVICE FOR MONITORING THE CONDITION OF AN INDUSTRIAL ROBOT for which said assignor has caused an application for United States Letter Patent to be prepared,

instrument:	is declaration for said application being executed concurrently with the execution of this
	ation to be filed in the United States Patent and Trademark Office;
	rovisional application having been filed in the United States Patent and Trademark Office on
[] 5244 11011-1	, and given Application Number;
[] said applicat	tion having been filed under the Patent Cooperation Treaty on, and given
	No, the United States of America having been designated.
	,,,
AND WHEREA	ABB Research Ltd.
	Affolternstrasse 44
	CH-8050 Zürich
	Switzerland
which may be grandle which may be grandle with the consideration parassignor hereby entire and exclusions and correissues and protexercise and enjury and any patents all the rights, pothe term or terms for the use and by manner as the sa	uding any divisions and continuations thereof, and in and to said invention and any patents ranted therefor, including any renewals, reissues and prolongations thereof; TNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable aid by said assignees to said assignor, the receipt of which is hereby acknowledged, said assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the sive right, title and interest in and to said invention and to said application, including any ntinuations thereof, and in any patents which may be granted therefor, including any renewals, longations thereof; said assignee, and said assignee's successors and assigns, to have, hold, oy the said invention and said application, including any divisions and continuations thereof, which may be granted therefor, including any renewals, reissues and prolongations thereof, with wers, privileges and advantages in anywise arising from or appertaining thereto, for and during sof any such patents when granted, including any renewals, reissues and prolongations thereof, senefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a aid assignor might or could have held and enjoyed the same, if this assignment had not been
	nor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or relating to the obtaining or to the asserting of said patents, including any renewals, reissues as thereof.
on said applicati	nor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on, and on any divisions and continuations thereof, to said assignee, and said assignee's ssigns, in accordance herewith.
EXECUTED, th	is day of, 2007
Signature:	
Name:	Dominique Blanc
Address:	Södra Billstagatan 6, SE-722 40 Västerås, Sweden
EXECUTED, the	is OS day of <u>December</u> , 2007
Signature:	Nisial
Name:	Niclas Sjostrand
Address:	Södra Billstagatan 36, SE-722 40 Västerås, Sweden

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PTO/SB/17 (10-07)
Approved for use through 06/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).			Complete if Known							
			Application Num	ber	11/987,522-Conf. #6848					
FEE TRANSMITTAL				Filing Date		November 30, 2007				
				First Named Inventor [Dominique Blanc et al.				
For FY 2008						Not Yet Assigned				
Applicant claims small entity status. See 37 CFR 1.27			Art Unit		2837					
TOTAL AMOUNT OF PAYMENT (\$) 40.00			Attorney Docket I	43314-253637	14-253637					
METHOD OF	METHOD OF PAYMENT (check all that apply)									
Check	Credit Card	Money Order	Nor	ne Other (p	olease identi	ify):				
X Deposit Account Deposit Account Number: 22-0261 Deposit Account Name: Venable LLP										
For the	above-identified depo	osit account, the Dire	ector is	hereby authorize	d to: (che	ck all that apply)				
x CI	harge fee(s) indicated	d below		Charge	e fee(s) in	ndicated below, ex	cept for t	the filing fee		
	narge any additional (e(s) under 37 CFR 1.		ents o	x Credit	any overp	payments				
FEE CALCU	_ATION									
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	FI	LING FEES	SE	ARCH FEES	EXAMI	NATION FEES				
Application Ty	/pe Fee (\$	Small Entity Fee (\$)	Fee (\$	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees	Paid (\$)		
Utility	310	155	510	255	210	105				
Design	210	105	100	50	130	65				
Plant	210	105	310	155	160	80				
Reissue	310	155	510	255	620	310				
Provisional	210	105	0	0	0	0				
2. EXCESS CLA		105	Ū	v	Ü	Ū		Small Entity		
Fee Description							Fee (\$)	Fee (\$)		
	r 20 (including Reiss	ues)					50	25		
Each independe	ent claim over 3 (incl	uding Reissues)					210	105		
Multiple depend	dent claims						370	185		
Total Claims	Extra Claims	Fee (\$)	Fee I	Paid (\$) Multiple Dependent Claims				<u> </u>		
12	- 20 =	x =			F	ee (\$) F	ee Paid (<u>\$)</u>		
HP = highest num	ber of total claims paid for	, if greater than 20.						<u> </u>		
Indep. Claims	Extra Claims	Fee (\$)	Fee F	Paid (\$)				_		
2	- 3 =	× =								
HP = highest num	ber of independent claims	paid for, if greater than	3.							
3. APPLICATIO										
listings und	ation and drawings extended and drawings extended the second second thereof. See 3	the application size	fee du	e is \$260 (\$130 f				50		
Total Sheet				dditional 50 or frac	tion there	of Fee (\$)	Fee	Paid (\$)		
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4. OTHER FEE(S) Fees Paid (\$)						Paid (\$)				
	Non-English Specification, \$130 fee (no small entity discount)									
Other (e.g., late filing surcharge): 8021 Recording each patent assignment, agreement or 40.00										
SUBMITTED BY	1	// //	$ \perp $							
Signature	Ghan	- full		Registration No. (Attorney/Agent)	37,134	Telephone	(202) 34	44-4936		
Name (Print/Type)	Eric J. Franklin					Date	April 2	5, 2008		

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PATENT REEL: 020887 FRAME: 0599

RECORDED: 04/25/2008