

A/D 581-40

10/149807

DT12 Rec'd PCT/PTO JUN 13 2002

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

08-29-2002

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



102204935  
**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- New *08/13/02*
- Resubmission (Non-Recordation)  
Document ID#
- Correction of PTO Error  
Reel #  Frame #
- Corrective Document  
Reel #  Frame #

**Conveyance Type**

- Assignment  Security Agreement
  - License  Change of Name
  - Merger  Other
- U.S. Government**  
(For Use ONLY by U.S. Government Agencies)
- Departmental File  Secret File

**Conveying Party(ies)**

- Mark if additional names of conveying parties attached
- Name (line 1)  Execution Date   
Month Day Year

**Second Party**

- Name (line 1)  Execution Date   
Month Day Year
- Name (line 2)

**Receiving Party**

- Mark if additional names of receiving parties attached

- Name (line 1)
- Name (line 2)
- Address (line 1)
- Address (line 2)
- Address (line 3)     
City State/Country Zip Code

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 013220 FRAME: 0729**

FORM PTO-1619C  
Expires 05/30/99  
OMB 0651-0027

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

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

**Conveying Party(ies)**

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) HASSEL, Lars

Execution Date  
Month Day Year  
06-04-2002

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party(ies)**

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)



10/149807

DT12 Rec'd PCT/PTO JUN 13 2002

FORM PTO-1619B  
Expires 06/30/99  
OMB 0651-0027

Page 2

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

**Correspondent Name and Address**

Area Code and Telephone Number

860-549-5290

Name Richard R. Michaud

Address (line 1) McCormick, Paulding & Huber LLP

Address (line 2) 185 Asylum Avenue

Address (line 3) Cityplace II

Address (line 4) Hartford, CT 06103-3402

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

# 1

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid of boxes for entering application and patent numbers.

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year  
May 29, 2002

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT SE00/02537 PCT PCT PCT

**Number of Properties**

Enter the total number of properties involved.

# 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:  
Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 13-0235

Authorization to charge additional fees:

Yes  No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Richard R. Michaud 40,088 6798-02WOUS

Name of Person Signing

Signature

June 13, 2002

Date

# ASSIGNMENT OF PATENT APPLICATION

In consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned

WALLIN, Christer, Regattagatan 6, SE-723 48 Västerås, Sweden  
LING, Hans, Hjulsta torg 1, SE-163 65 Spånga, Sweden  
HASSEL, Lars, Björnskinnsvägen 28, SE-722 45 Västerås, Sweden

hereby sell, assign and transfer to

ABB AB, SE-721 83 Västerås, Sweden

(hereinafter called the Assignee) the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

"A TORQUE SENSOR"

which application was:

- (a) executed on the \_\_\_\_\_ day of \_\_\_\_\_ 20 ,
- (b) filed on the \_\_\_\_\_ day of \_\_\_\_\_ 20 ,  
and given serial No. \_\_\_\_\_
- (c) filed as PCT international application No. PCT/SE00/02537  
on the \_\_\_\_\_ 14th day of December, 2000.

including any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents and Trademarks issue any and all said Letters Patent, when granted to said Assignee.

Further, it is agreed that, when requested, without charge but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers, and generally do everything possible for aiding in securing and maintaining proper patent protection.

Place Västerås ..... Date 2002-05-29 Place Västerås ..... Date 02-06-04  
 Inventor: Christer Wallin ..... Inventor: Hans Ling .....

Place Västerås ..... Date 02-06-04  
 Inventor: Lars Hassel .....