

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3301168

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TEUNIS VAN DE PEUT	06/21/2013
HENDRIK DEN BOER	06/21/2013
RECEIVING PARTY DATA	
Name:	MAPPER LITHOGRAPHY IP B.V.
Street Address:	COMPUTERLAAN 15
City:	DELFT
State/Country:	NETHERLANDS
PROPERTY NUMBERS Total: 2	
Property Type	Number
PCT Number:	EP2013059604
Application Number:	14400561
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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Correspondent Name:	MIKE MCGEE
Address Line 1:	REMBRANDT TOWER, 31ST FL. AMSTELPLEIN 1
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ATTORNEY DOCKET NUMBER:	03147.0091.USP0
NAME OF SUBMITTER:	DAVID P. OWEN
SIGNATURE:	/d p owen/
DATE SIGNED:	04/08/2015
Total Attachments: 8	
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NOW THEREFORE, in consideration of the good and valuable sum of EURO 1.00 and other good and valuable consideration paid by the Assignee(s) to the undersigned, the receipt of which is hereby acknowledged, the undersigned hereby confirms/confirm effective of **14 May 2012** to have sold, assigned, and transferred, and to the extent not already done so, do hereby sell, assign, and transfer, all of the rights set out under (A), (B) and (C) above to the Assignee(s).

The undersigned agrees/agree to promptly take any action, including the execution of any papers and the provision of any evidence, required by the Assignee(s) or its/their agent(s) to further the grant of any patent application(s) associated with the Invention(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, re-examination or corresponding application(s) filed therefrom, and the subsequent maintenance and enforcement of any patent(s) granted on such application(s), and to execute separate assignment(s) in connection with such application(s) as the Assignee(s) may deem necessary or expedient.

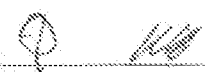
The undersigned agrees/agree to execute all papers necessary in connection with any interference proceedings that may be declared in the United States of America concerning any patent application(s), patent(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or re-examination application(s) associated therewith, and to cooperate with the Assignee(s) in every way possible in obtaining evidence and going forward with such interference.

The undersigned agrees/agree to promptly take any action, including the execution of any papers, required by the Assignee(s) or its/their agent(s) in order to record this assignment document in any national/regional/international intellectual property register throughout the world.

The undersigned hereby represents/represent that at the time of conveyance he/she/they had the full right to convey the entire right, title and interest so assigned, and that the undersigned has not executed and will not execute, any agreement in conflict herewith.

It is hereby agreed that the terms of this assignment shall be interpreted under the laws of **The Netherlands** and disputes arising under this agreement shall be adjudicated before the courts in **The District Court of The Hague, The Netherlands**.

The undersigned hereby grants David P. Owen, USPTO Reg. No. 43,344; Coraline J. Haitjema, USPTO Reg. No. 63,192; Wilbert H. P. Derks EPO Reg No. 100038986; Jeroen H. J. Den Hartog EPO Reg No. 100059970; Christopher J. Pierce EPO Reg No. 09218580; Maarten Mooij EPO Reg No. 09226770; each an attorney or agent with the law firm of HOYNG MONEGIER LLP, power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document, in particular in the United States Patent and Trademark Office.

Initials Inventors 

Initials Assignee 

Docket Number : 03147.0091.PCNO
Client Reference: M102

Patent

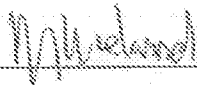
SCHEDULE

Country	Application No.	Filing Date
United States of America	61/646,835	14 May 2012
United States of America	61/737,188	14 December 2012
The Netherlands	2010759	06 May 2013
PCT (including all designated/elected states and regions)	PCT/EP2013/059604	08 May 2013
Taiwan	102117003	14 May 2013

Initials Inventors _____

Initials Assignee _____

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF ASSIGNEE: 

Name Marco Jan Jan Wieldand

Title CTO

Date: 11 June 2013 (dd.mm.yyyy)

MAPPER LITHOGRAPHY IP B.V.

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)

on 11 (day) June (month) 2013 (year)

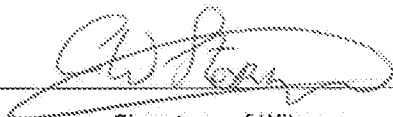
I, Corny Steen whose full residence address is
Laan van Wateringx Veld 142, 2548 CT Delft
the Netherlands

was personally present and did see the person named above, Marco Wieldand

execute the above assignment on 11 (day)

June (month) 2013 (year), and such inventor is personally

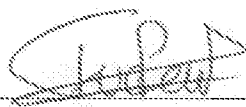
known to me to be the person described in this assignment.


Signature of Witness

Docket Number : 03147.0091.PCNO
Client Reference: M102

Patent

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF INVENTOR: 
Date: 21.6.2013
(dd.mm.yyyy)
Name: **VAN DE PEUT, Teunis**

STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)
on 21 (day) June (month) 2013 (year)
I, Corry Stegeman whose full residence address is
Leeg van Waterschap Veld 1147 2548 G Oost Haag, the Netherlands was
personally present and did see the person named above,
execute the above assignment on 21 (day) June (month) 2013 (year), and
such inventor is personally known to me to be the person described in this assignment.


Signature of Witness

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

SIGNATURE OF INVENTOR: 

Date: 21-06-2013
(dd.mm.yyyy)

Name: DEN BOER, Hendrik

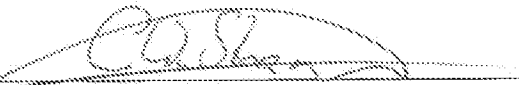
STATEMENT OF WITNESS:

Signed at Delft (city) the Netherlands (country)

on 21 (day) June (month) 2013 (year)

I, Cheng Steen whose full residence address is Laan van Wakenisveld 1142, 2541 CT Den Haag the Netherlands was

personally present and did see the person named above,
execute the above assignment on 21 (day) June (month) 2013 (year), and
such inventor is personally known to me to be the person described in this assignment.



Signature of Witness

Docket Number : 03147.0091.PCNO
Client Reference: M102

Patent

INVENTOR (Full Legal Name)	Residence (city, country)	Mailing address	Citizenship
VAN DE PEUT, Teunis	Leusden Netherlands	Galicië 14 3831 JD Leusden Netherlands	NL
DEN BOER, Hendrik	's-Gravanzande Netherlands	Naaidwijkseweg 80 2691 RK 's-Gravanzande Netherlands	NL

The present invention is a method for determining the location of a mobile station (MS) relative to a base station (BS) using a signal strength measurement. The method involves the following steps:

1. A signal strength measurement is performed at the MS.
2. The measured signal strength is compared to a predetermined threshold.
3. If the measured signal strength is greater than the threshold, the MS is determined to be within a predetermined range of the BS.
4. If the measured signal strength is less than the threshold, the MS is determined to be outside the predetermined range of the BS.

The predetermined range is determined based on the signal strength of the received signal and the signal strength of the transmitted signal. The signal strength of the received signal is measured at the MS, and the signal strength of the transmitted signal is measured at the BS. The difference between the two signal strengths is used to determine the range.