

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the Request Form (PCT/RO/101)):

SCHLUMBERGER TECHNOLOGY B.V.
Parkstraat 83-89
2514 JG The Hague
The Netherlands

hereby appoints (appoint) the following person as:



agent



common representative

Name and address

(Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.)

Bridget M. Laffey
510001 Richmond Avenue
IP Administration Center of Excellence
Room 4720
Houston, Texas, 77042
USA

to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the Authority specified for supplementary search only: _____
(please indicate the Authority(ies) specified for supplementary search)



the International Preliminary Examining Authority only

in connection with the international application identified below:

Title of the invention: APPARATUS AND METHODS FOR DETERMINING PROPERTIES OF ...

Applicant's or agent's file reference: IS16.1704-WO-PCT

International application number (if already available): PPCT/US2018/045312

filed with the following Office United States Patent and Trademark Office as receiving Office
and to make or receive payments on behalf of the undersigned.

Signature of the applicant(s) (where there are several applicants, each of them must sign; next to each signature, indicate the name of the person signing and the capacity in which the person signs, if such capacity is not obvious from reading the request or this power):



Michael Dae, Authorized to act on behalf of SCHLUMBERGER TECHNOLOGY B.V

Date: October 15, 2018

PCT

POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the Request Form (PCT/RO/101)):

SERVICES PETROLIERS SCHLUMBERGER
42 rue Saint Dominique
75007 Paris
France

hereby appoints (appoint) the following person as:



agent



common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

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Houston, Texas, 77042
USA

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Michael Dae, Authorized to act on behalf of SERVICES PETROLIERS SCHLUMBERGER

Date: October 15, 2018

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POWER OF ATTORNEY

(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the Request Form (PCT/RO/101)):

Schlumberger Canada Limited
3125 - 9 Avenue SE
Calgary, Alberta
T2G 0P6
Canada

hereby appoints (appoint) the following person as:



agent



common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Bridget M. Laffey
510001 Richmond Avenue
IP Administration Center of Excellence
Room 4720
Houston, Texas, 77042
USA

to represent the undersigned before



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Michael Dae, Authorized to act on behalf of Schlumberger Canada Limited

Date: October 15, 2018

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(for an international application filed under the Patent Cooperation Treaty)

(PCT Rule 90.4)

The undersigned applicant(s) (Names should be indicated as they appear in the Request Form (PCT/RO/101))

SCHLUMBERGER TECHNOLOGY CORPORATION
300 Schlumberger Drive
Sugar Land, Texas 77478
United States of America

hereby appoints (appoint) the following person as: agent common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

Bridget M. Laffey
510001 Richmond Avenue
IP Administration Center of Excellence
Room 4720
Houston, Texas, 77042
USA

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Michael Dae, Authorized to act on behalf of SCHLUMBERGER TECHNOLOGY CORPORATION

Date: October 15, 2018