

**PATENT COOPERATION TREATY**

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To:  
VINU RAJ  
HAYNES AND BOONE, LLP  
2323 VICTORY AVENUE, SUITE 700  
DALLAS, TEXAS 75219

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Confirmation No: 9544

Date of mailing <i>(day/month/year)</i>	25 Oct 2017
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Applicant's or agent's file reference  
75231904WO01

**REPLY DUE**  
See paragraph 1 below

International application No.  
PCT/US2017/050125

International filing date  
*(day/month/year)*

Applicant  
HALLIBURTON ENERGY SERVICES, INC.

1.  REPLY DUE within \_\_\_\_\_ months/days from the above date of mailing

NO REPLY DUE, however, see below \_\_\_\_\_

IMPORTANT COMMUNICATION

INFORMATION ONLY

2. COMMUNICATION:

The applicant is hereby notified that the international application has been accorded the international application number indicated above. The applicant is further notified that the record copy of the international application has not yet been transmitted to the International Bureau because the necessary national security clearance has not yet been obtained.

Name and mailing address of the receiving Office  
Mail Stop PCT, Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

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Facsimile No. 571-273-8300

Authorized officer  
**Ulysses Walker**

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