

Title (en)  
DOWNHOLE DRILLING SYSTEM

Title (de)  
BOHRLOCHBOHRSYSTEM

Title (fr)  
SYSTÈME DE FORAGE DE FOND DE TROU

Publication  
**EP 3601729 A1 20200205 (EN)**

Application  
**EP 18711946 A 20180320**

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Abstract (en)  
[origin: EP3379024A1] The present invention relates to a downhole drilling system (100), comprising: a drill string (1) having a drill head (6) configured to drill a borehole (2) having a borehole wall (3) forming an annulus (4) between the drill string and the borehole, a plurality of sensor units (10) forming a mesh network, wherein each one of said sensor units is distributed in a drilling fluid flowing in the annulus and in the drill string, and at least one of said sensor units is provided with a detector (14) for measuring position data. The present invention also relates to a method for providing a downhole drilling system according to the present invention and to a method for determining drilling direction.

IPC 8 full level  
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