

Title (en)  
SENSOR ARRANGEMENT

Title (de)  
SENSORANORDNUNG

Title (fr)  
AGENCEMENT DE CAPTEURS

Publication  
**EP 4010560 A1 20220615 (EN)**

Application  
**EP 20750621 A 20200728**

Priority  
• GB 201911344 A 20190808  
• EP 2020071318 W 20200728

Abstract (en)  
[origin: WO2021023586A1] A sensor arrangement is described comprising a sensor housing (28), a first sensor (30) sensitive to a downhole parameter and carried by the housing (28), a second sensor (32) sensitive to the same downhole parameter as the first sensor (30) and carried by the housing (28), the second sensor (32) being spaced apart from the first sensor (30) by a fixed distance D in the axial direction of the housing (28), and a control unit (38) operable to monitor the outputs of the first and second sensors (30, 32) to ascertain information relating to the position, movement and/or related information of the housing (28). A related operating method is also described.

IPC 8 full level  
**E21B 45/00** (2006.01); **E21B 44/00** (2006.01); **E21B 47/00** (2012.01); **E21B 47/002** (2012.01); **E21B 47/07** (2012.01)

CPC (source: EP GB US)  
**E21B 7/04** (2013.01 - US); **E21B 44/00** (2013.01 - EP); **E21B 44/02** (2013.01 - US); **E21B 45/00** (2013.01 - EP GB); **E21B 47/00** (2013.01 - EP); **E21B 47/002** (2020.05 - EP US); **E21B 47/04** (2013.01 - GB); **E21B 47/06** (2013.01 - GB); **E21B 47/07** (2020.05 - EP US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2021023586 A1 20210211**; CA 3149114 A1 20210211; EP 4010560 A1 20220615; EP 4010560 B1 20240717; GB 201911344 D0 20190925; GB 2586228 A 20210217; GB 2586228 B 20240117; US 2022298909 A1 20220922

DOCDB simple family (application)  
**EP 2020071318 W 20200728**; CA 3149114 A 20200728; EP 20750621 A 20200728; GB 201911344 A 20190808; US 202017633107 A 20200728