

Title (en)  
CONNECTION WITH INTEGRATED SENSOR

Title (de)  
VERBINDUNG MIT INTEGRIERTEM SENSOR

Title (fr)  
CONNEXION À CAPTEUR INTÉGRÉ

Publication  
**EP 4077867 A1 20221026 (FR)**

Application  
**EP 20842275 A 20201209**

Priority  
• FR 1915190 A 20191220  
• FR 2020052360 W 20201209

Abstract (en)  
[origin: WO2021123571A1] Male or female tubular threaded connection (1) for a steel pipe comprising at least an exterior (10) or interior (11) screw thread, and end lip (12), a portion produced by additive manufacturing (3) designed to house at least one sensor (4) at a predetermined distance from a functional surface (5, 6, 7) of said connection, the sensor (4) being designed to measure a physical quantity associated with said functional surface (5, 6, 7) and said functional surface (5, 6, 7) being chosen from a sealing surface, a screw thread, an end stop, an inside diameter or an outside diameter.

IPC 8 full level  
**E21B 17/04** (2006.01); **E21B 17/042** (2006.01); **E21B 47/06** (2012.01)

CPC (source: EP US)  
**E21B 17/04** (2013.01 - EP); **E21B 17/042** (2013.01 - EP US); **E21B 47/06** (2013.01 - EP US); **Y02P 10/25** (2015.11 - EP)

Citation (search report)  
See references of WO 2021123571A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3105289 A1 20210625; FR 3105289 B1 20220225**; AR 120838 A1 20220323; BR 112022007984 A2 20220705; CN 114787476 A 20220722; EP 4077867 A1 20221026; MX 2022007664 A 20220719; US 2023010471 A1 20230112; WO 2021123571 A1 20210624

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