

Title (en)  
COUNTER HOLD SYSTEM FOR A DRILLING SYSTEM

Title (de)  
GEGENHALTESYSTEM FÜR EIN BOHRSYSTEM

Title (fr)  
SYSTÈME DE MAINTIEN DE COMPTEUR POUR UNE INSTALLATION DE FORAGE

Publication  
**EP 3228807 A1 20171011 (EN)**

Application  
**EP 16164117 A 20160406**

Priority  
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Abstract (en)  
The invention relates to a counter hold system (4) for a drilling system, comprising an axially and/or radially flexible, preferably tubular, bellows (401) with two annular openings, and a cylinder body (403) which is axially movable in a cylinder housing (405) with two ends, wherein the bellows (401) is connected at one annular opening to the outer surface of the cylinder body (403) or to the outer surface at one end of the cylinder housing (405), and on its other annular opening to the opposite end of the cylinder housing (405), so that an annular hollow space is formed between the inner surface of the bellows (401) and the outer surface of the cylinder housing (405), and means are provided to lead a pressurized medium into the bellows (401), preferably in the form of an inlet (408) in the cylinder housing (405) leading into the hollow space. The invention further relates to the use of such a counter hold system in a drilling system, and a drilling system with such a counter hold system.

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Citation (search report)

- [X] US 6230813 B1 20010515 - MOORE NORMAN BRUCE [US], et al
- [X] US 3224734 A 19651221 - DOUGLASS HILL JAMES
- [A] US 5758731 A 19980602 - ZOLLINGER W THOR [US]

Cited by  
FR3138490A1; WO2024022785A1

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