

Title (en)
WASHPipe JOINT FOR AN OIL DRILLING PLANT

Title (de)
SPÜHLROHRGELENK FÜR ÖLBOHRANLAGE

Title (fr)
JOINT DE TUBE D'USURE POUR INSTALLATION DE FORAGE PÉTROLIER

Publication
EP 3194706 A2 20170726 (EN)

Application
EP 14777838 A 20140814

Priority
• IT TO20130694 A 20130814
• IB 2014063923 W 20140814

Abstract (en)
[origin: WO2015022667A2] Washpipe joint (1) for an oil drilling plant comprising a fixed sleeve (2) adapted to be connected to a fixed conduit (3) for feeding the drilling fluid, a rotating sleeve (4) adapted to be connected to a rotating conduit (5) integral with a drilling set, and a pair of sealing rings (27, 28) integral with the fixed sleeve (2) and with the rotating sleeve (4), respectively, and cooperating with each other sliding axially under the thrust of elastic means (40) to form the seal between the fixed sleeve (2) and the rotating sleeve (4), characterized in that the sealing rings (27, 28) are arranged externally coaxial to a main conduit (60) defined by respective internal conduits (2a, 4a) coaxial and axially facing each other of the fixed and movable sleeves (2, 4) and are touched by a fraction of the flow rate of the drilling fluid through an auxiliary branch (64) connected in parallel to the main conduit (60); the main conduit (60) is convergent-divergent, and the auxiliary branch communicates with an area of minimum section of the main conduit (60) to facilitate the recall of the fraction of flow rate in the main conduit (60).

IPC 8 full level
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CPC (source: EP)
E21B 17/05 (2013.01); **E21B 21/02** (2013.01); **F16L 27/082** (2013.01)

Citation (search report)
See references of WO 2015022667A2

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