

Title (en)  
STRENGTHENED PERCUSSIVE DRILL STRING FEMALE COUPLING

Title (de)  
VERSTÄRKTE BUCHSENKOPPLUNG FÜR SCHLAGBOHRGESTÄNGE

Title (fr)  
COUPLAGE FEMELLE DE TRAIN DE FORAGE À PERCUSSION RENFORCÉ

Publication  
**EP 3819458 A1 20210512 (EN)**

Application  
**EP 19208106 A 20191108**

Priority  
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Abstract (en)  
The present invention relates to a drill string for percussive drilling comprising having a first elongate percussive drill rod comprising a main section and an externally threaded male end and a second elongate percussive drill rod comprising a main section and an internally threaded mounting sleeve. The male end and female ends overlap to form a coupling region and a thread clearance area is formed adjacent to the end most female thread. The mounting sleeve has a first region having a first outer skirt diameter,  $D_{sub>1</sub>}$ , at the axially rearward end and a second outer skirt diameter,  $D_{sub>2</sub>}$ , along part of the axial length between the axially rearward end and the main section forming a strengthened region wherein  $D_{sub>2</sub>}$  is greater than  $D_{sub>1</sub>}$ .

IPC 8 full level  
**E21B 17/042** (2006.01)

CPC (source: EP KR)  
**E21B 17/0426** (2013.01 - EP KR)

Citation (applicant)  

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