

Title (en)  
PERCUSSION DEVICE

Title (de)  
SCHLAGVORRICHTUNG

Title (fr)  
DISPOSITIF DE PERCUSSION

Publication  
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Application  
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Abstract (en)  
[origin: WO2013174359A1] The invention relates to a percussion device comprising a percussion mechanism housing which has a receiving bore in which a percussion piston is mounted such that it is movable along the longitudinal axis, wherein at least one percussion mechanism guide surface having an inner diameter is formed in the receiving bore and at least one percussion piston guide surface having an outer diameter is formed on the percussion piston. In order to avoid radial contact between the percussion piston and the percussion mechanism housing as far as possible, to reduce the volume of oil leakage through the gap of the guide surface and to prevent wear on the guide surfaces and on the lands between the seals, according to the invention the percussion mechanism guide surface has, at least in some regions, an inner diameter that increases non-linearly in the axial direction and/or the percussion piston guide surface has an outer diameter that decreases non-linearly in the axial direction.

IPC 8 full level  
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