

Title (en)  
EXCAVATION TOOL

Title (de)  
AUSGRABUNGSWERKZEUG

Title (fr)  
OUTIL D'EXCAVATION

Publication  
**EP 3184729 A4 20180418 (EN)**

Application  
**EP 15833073 A 20150811**

Priority  
• JP 2014167602 A 20140820  
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Abstract (en)  
[origin: EP3184729A1] A drilling tool of the present invention includes: a casing pipe; a ring bit having a larger diameter and disposed coaxially on a tip side of the casing pipe; and a pilot bit inserted into the ring bit through the inside of the casing pipe. An outer peripheral part at a tip of the pilot bit is provided with a bit head which is extended when rotated in a tool rotation direction during drilling. The ring bit is provided with a part to be engaged that is engaged with the extended bit head in the tool rotation direction, and a first abutting part capable of abutting against the extended bit head in a direction of an axis.

IPC 8 full level  
**E21B 10/32** (2006.01)

CPC (source: EP KR US)  
**E21B 10/327** (2013.01 - EP KR US); **E21B 10/627** (2013.01 - KR)

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• No further relevant documents disclosed  
• See references of WO 2016027739A1

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