

Title (en)
EXCAVATION TOOL AND EXCAVATION METHOD

Title (de)
AUSGRABUNGSWERKZEUG UND AUSGRABUNGSVERFAHREN

Title (fr)
OUTIL D'EXCAVATION ET PROCÉDÉ D'EXCAVATION

Publication
EP 3406841 A4 20190925 (EN)

Application
EP 16886486 A 20161208

Priority
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Abstract (en)
[origin: EP3406841A1] A drilling tool of the invention includes an air supply pipe inserted through an inner circumference of a drilling pipe having a tip portion on which a tool main body is disposed. The air supply pipe being configured to supply compressed air. A supply channel is provided on an outer circumference of the drilling pipe. A discharge channel is formed on the tip portion of the tool main body. The discharge channel is configured to discharge cuttings generated together with the drilling fluid into a space between the drilling pipe and the air supply pipe. An exhaust gas outlet opening into the space is formed at a tip portion of the air supply pipe.

IPC 8 full level
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E21B 21/14 (2013.01 - EP US)

Citation (search report)
• [I] JP 2013028936 A 20130207 - CHEMICAL GROUT CO
• [A] US 3807514 A 19740430 - MURRELL J
• [A] WO 2010071563 A1 20100624 - SANDVIK INTELLECTUAL PROPERTY [SE], et al
• [A] WO 2014142011 A1 20140918 - MITSUBISHI MATERIALS CORP [JP]
• [A] WO 9424405 A1 19941027 - SANDVIK AB [SE]
• See references of WO 2017126247A1

Designated contracting state (EPC)
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