

Title (en)
MUD CIRCULATION FOR LITHOSPHERE DRILLING

Title (de)
BOHRSCHLAMMZIRKULATION WÄHREND ERDBOHRENS

Title (fr)
CIRCULATION DE BOUE POUR FORAGE DANS LA LITHOSPHERE

Publication
EP 1060323 A1 20001220 (EN)

Application
EP 97950521 A 19971224

Priority
NL 9700726 W 19971224

Abstract (en)
[origin: WO9934091A1] Mud is fed to a distal end of the string (2) in a bore hole in the earth. Each time the string (2) has been displaced into the lithosphere over a predetermined distance, a connecting cycle is started. This cycle includes the steps of: connecting one mud head (15, 16) of a mud circulation structure to a pipe section (1) to be connected; disconnecting another mud head (15, 16) from the pipe string (2); and subsequently connecting the pipe section (1) connected to the mud head (15, 16) to the pipe string (2). During a next connection cycle, the other mud head (15, 16) is connected to a next pipe section (1) to be connected. The time during which the mud structure is disconnected from the pipe string (2) is substantially reduced. A device for carrying out that method and a drilling rig including such a device are also described.

IPC 1-7
E21B 21/00

IPC 8 full level
E21B 21/00 (2006.01)

CPC (source: EP US)
E21B 21/01 (2013.01 - EP US)

Designated contracting state (EPC)
AT DE DK GB

DOCDB simple family (publication)
WO 9934091 A1 19990708; AT E220759 T1 20020815; AU 5349698 A 19990719; DE 69714091 D1 20020822; DE 69714091 T2 20030306; DK 1060323 T3 20021111; EP 1060323 A1 20001220; EP 1060323 B1 20020717

DOCDB simple family (application)
NL 9700726 W 19971224; AT 97950521 T 19971224; AU 5349698 A 19971224; DE 69714091 T 19971224; DK 97950521 T 19971224; EP 97950521 A 19971224