

Title (en)  
LOADING DRILL RODS FROM CASSETTE TO DRILLING POSITION

Title (de)  
LADEN VON BOHRSTANGEN AUS EINER KARTUSCHE ZUR BOHRSTELLE

Title (fr)  
TIGES DE FORAGE DE CHARGEMENT DE CASSETTE À POSITION DE FORAGE

Publication  
**EP 3147448 B1 20190710 (EN)**

Application  
**EP 15186657 A 20150924**

Priority  
EP 15186657 A 20150924

Abstract (en)  
[origin: EP3147448A1] There is provided an apparatus, a cassette (106) for drill rods (104) and a rock drilling machine that comprise a loading arm (102) for loading drill rods (104) from a cassette (106) to a drilling position in a rock drilling machine. The loading arm (102) has two loading positions for receiving drill rods (104), said two positions comprising a first position for receiving drill rods (104) from the cassette (106), and a second position for receiving drill rods (104) from an external source.

IPC 8 full level  
**E21B 7/02** (2006.01); **E21B 19/14** (2006.01)

CPC (source: EP)  
**E21B 7/025** (2013.01); **E21B 19/146** (2013.01)

Citation (examination)  
• US 2014186143 A1 20140703 - OWENS GEORGE RONALD [US]  
• WO 2012148286 A1 20121101 - SEABED RIG AS [NO], et al

Cited by  
SE1850636A1; WO2020168377A1; US11448070B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3147448 A1 20170329; EP 3147448 B1 20190710**; AU 2016231545 A1 20170413; AU 2016231545 B2 20171130; CA 2942462 A1 20170324; CA 2942462 C 20181127

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**EP 15186657 A 20150924**; AU 2016231545 A 20160922; CA 2942462 A 20160920