

Title (en)
PERMANENT MAGNET DIRECT DRIVE DRAWWORKS

Title (de)
HEBEWERK MIT PERMANENTMAGNET-DIREKTANTRIEB

Title (fr)
TREUILS DE FORAGE A PRISE DIRECTE A AIMANT PERMANENT

Publication
EP 2501863 A4 20130626 (EN)

Application
EP 10842637 A 20101217

Priority
• US 64343909 A 20091221
• US 2010060943 W 20101217

Abstract (en)
[origin: WO2011084669A2] A direct drive drawworks (100) has a permanent magnet motor (40), a shaft (41) extending from the permanent magnet motor (40) so that the permanent magnet motor directly rotates the shaft (41), and a drum (43) connected to the shaft (41) away from the permanent magnet motor (40) such that the rotation of the shaft causes a corresponding rotation of the drum. The permanent magnet motor (40) has a housing (42), a stator (62) positioned in the housing, and a rotor (64) cooperative with the stator. The rotor (64) has a drive plate (66) affixed thereto. The shaft (41) is directly connected to the drive plate (66). A bearing housing (45) rotatably supports the shaft.

IPC 8 full level
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CPC (source: EP)
B66D 1/12 (2013.01); **E21B 19/008** (2013.01); **H02K 7/1004** (2013.01)

Citation (search report)
• [X] US 7633248 B1 20091215 - WILLIAMS KEVIN R [US]
• [X] US 2008203734 A1 20080828 - GRIMES MARK FRANCIS [US], et al
• [X] US 2002121823 A1 20020905 - GAUTHIER PASCAL [FR]
• [A] WO 0076054 A1 20001214 - SMART MOTOR AS [NO], et al
• See references of WO 2011084669A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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