

Title (en)  
STEERABLE GAS TURBODRILL

Title (de)  
LENKBARE GASBOHRTURBINE

Title (fr)  
TURBO-FOREUSE À GAZ ORIENTABLE

Publication  
**EP 2817472 A1 20141231 (EN)**

Application  
**EP 13784933 A 20130315**

Priority  
• US 201261643145 P 20120504  
• US 2013032386 W 20130315

Abstract (en)  
[origin: US2013292180A1] A gas turbodrill with an adjustable bent housing for use in a spur lateral drilling application. The gas turbodrill includes a high-speed gas turbine, a gearbox assembly, a pivoting shaft connection point, a gimbal assembly comprising a hollow ball and socket joint, a bearing assembly and drill bit assembly. The gas turbodrill gimbal assembly enabling a bend through an angle of up to 5 degrees while drilling. Springs and the application of pressure will lock the bend in place once drilling commences to facilitate lateral drilling of the spur.

IPC 8 full level  
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