

Title (en)  
ROTARY DRAG BIT

Title (de)  
DREHWIDERSTANDBIT

Title (fr)  
OUTIL BILAME ROTATIF

Publication  
**EP 2118431 A1 20091118 (EN)**

Application  
**EP 08725403 A 20080211**

Priority  
• US 2008001764 W 20080211  
• US 88940307 P 20070212

Abstract (en)  
[origin: US2008190670A1] A fixed cutter rotary drill bit having gauge cutting elements at large back rake angles are disclosed. The gauge is located at the outer diameter side wall portion of the bit that extends from the cutting end. The gauge and its cutting components contact the side wall of the bore hole during drilling operations. The gauge cutting elements may be configured at a back rake angle in a range of about 40° to 70°.

IPC 8 full level  
**E21B 10/43** (2006.01)

CPC (source: EP US)  
**E21B 10/43** (2013.01 - EP US); **E21B 10/55** (2013.01 - EP US)

Citation (search report)  
See references of WO 2008100455A1

Cited by  
US11480016B2; US9556683B2; US10563463B2

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

DOCDB simple family (publication)  
**US 2008190670 A1 20080814**; AT E534797 T1 20111215; CN 101605962 A 20091216; EP 2118431 A1 20091118; EP 2118431 B1 20111123; MX 2009008257 A 20090812; RU 2009133697 A 20110320; WO 2008100455 A1 20080821

DOCDB simple family (application)  
**US 2919708 A 20080211**; AT 08725403 T 20080211; CN 200880004759 A 20080211; EP 08725403 A 20080211; MX 2009008257 A 20080211; RU 2009133697 A 20080211; US 2008001764 W 20080211