

Title (en)  
GEAR MECHANISM

Title (de)  
GETRIEBEMECHANISMUS

Title (fr)  
MÉCANISME À ENGRENAGES

Publication  
**EP 3175142 A2 20170607 (EN)**

Application  
**EP 15756974 A 20150729**

Priority  
• GB 201413458 A 20140730  
• GB 2015052191 W 20150729

Abstract (en)  
[origin: WO2016016645A2] A gear mechanism, such as may non-exclusively be used with a scroll centrifuge, sugar mill drive or winch drive, the gear mechanism comprising a housing; and a first gear arrangement comprising: a first annular gear having a first axis about which it is rotatable in the housing; a second annular gear, being rotatable in the housing about the first axis; and a set of planet gears which each engage the first annular gear and the second annular gear. Such a gear mechanism can achieve high ratios and high torques with few components and be of compact size.

IPC 8 full level  
**F16H 1/28** (2006.01)

CPC (source: EP)  
**B04B 1/2016** (2013.01); **F16H 1/28** (2013.01); **B04B 2001/2025** (2013.01)

Citation (search report)  
See references of WO 2016016645A2

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2016016645 A2 20160204; WO 2016016645 A3 20160519; EP 3175142 A2 20170607; GB 201413458 D0 20140910**

DOCDB simple family (application)  
**GB 2015052191 W 20150729; EP 15756974 A 20150729; GB 201413458 A 20140730**