

Title (en)  
VARIABLE CAPACITY DEVICE

Title (de)  
VORRICHTUNG MIT VARIABLER KAPAZITÄT

Title (fr)  
DISPOSITIF A CAPACITE VARIABLE

Publication  
**EP 1902514 A1 20080326 (FR)**

Application  
**EP 06792484 A 20060706**

Priority  
• EP 2006063983 W 20060706  
• FR 0552113 A 20050708

Abstract (en)  
[origin: WO2007006731A1] The invention concerns a device (10) for assisting a relative movement of two parts of a mechanical system for example a ball bearing or a gear device, adapted to form a device with variable capacity, thereby enabling the mechanical energy to be recovered and converted into electrical energy. Therefor, at least one among the driving (12, 14) and driven (18) elements of the device comprises a conductive zone (32) separated by a variable distance during the relative movements of the elements (12, 14, 18) with respect to each other of the conductive parts of the device, the conductive zone (32) and the conductive parts (12, 14, 18, 36) being coupled to different equipotentials (VI, V).

IPC 8 full level  
**H02N 1/00** (2006.01)

CPC (source: EP US)  
**H02N 1/00** (2013.01 - EP US); **H02N 1/004** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007006731A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2888419 A1 20070112; FR 2888419 B1 20101203**; EP 1902514 A1 20080326; JP 2009500995 A 20090108; JP 5032471 B2 20120926; US 2008211342 A1 20080904; US 8174163 B2 20120508; WO 2007006731 A1 20070118

DOCDB simple family (application)  
**FR 0552113 A 20050708**; EP 06792484 A 20060706; EP 2006063983 W 20060706; JP 2008519942 A 20060706; US 99412506 A 20060706