

Title (en)

TWO-PART OIL SCRAPER RING FOR INTERNAL COMBUSTION ENGINES

Title (de)

ZWEITEILIGER ÖLABSTREIFRING FÜR VERBRENNUNGSMOTOREN

Title (fr)

SEGMENT RACLEUR D'HUILE EN DEUX PARTIES POUR MOTEURS A COMBUSTION INTERNE

Publication

**EP 1910717 A1 20080416 (DE)**

Application

**EP 06761816 A 20060718**

Priority

- DE 2006001239 W 20060718
- DE 102005037205 A 20050806

Abstract (en)

[origin: WO2007016894A1] In the case of a two-part oil scraper ring (10) for internal combustion engines, having a U-shaped expanding-spring ring (1), which is provided with axial indentations (2), for forming radially outwardly aligned resilient limbs (3, 4) which are connected to one another by means of radially inwardly situated webs (5), and having an annular body (7) which is provided with in each case parallel flanks (7a, 7b) and a running face (9), according to the invention, a minimum axial installation height with an improved oil-scraping effect should be obtained in that the flanks (7a, 7b) of the annular body have, in their radially inwardly situated wall region, cut-outs (11) which have a support face (12) for the engagement of the resilient limbs (3, 4) of the expanding-spring ring and are shaped such that the nominal height of the oil scraper ring is determined exclusively by the height of the annular body (7).

IPC 8 full level

**F16J 9/06** (2006.01)

CPC (source: EP US)

**F16J 9/06** (2013.01 - EP US); **F16J 9/069** (2013.01 - EP US)

Citation (search report)

See references of WO 2007016894A1

Designated contracting state (EPC)

DE FR GB PT

DOCDB simple family (publication)

**DE 102005037205 A1 20070208**; BR PI0614384 A2 20110322; CN 101238313 A 20080806; EP 1910717 A1 20080416; JP 2009504960 A 20090205; US 2008309022 A1 20081218; WO 2007016894 A1 20070215

DOCDB simple family (application)

**DE 102005037205 A 20050806**; BR PI0614384 A 20060718; CN 200680028858 A 20060718; DE 2006001239 W 20060718; EP 06761816 A 20060718; JP 2008525378 A 20060718; US 99004606 A 20060718