

Title (en)

MULTI-PART OIL SCRAPER RING FOR INTERNAL COMBUSTION ENGINES

Title (de)

MEHRTEILIGER ÖLABSTREIFRING FÜR VERBRENNUNGSMOTOREN

Title (fr)

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

Publication

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Application

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Abstract (en)

[origin: WO2007016893A1] In the case of a multi-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 at least two annular lamellae (7, 8) which are provided with in each case parallel flanks (7a, 7b; 8a, 8b) and are stacked via their flanks as stacking planes (SE) to a height (hL) and are arranged between the resilient limbs of the expanding-spring ring in order to define a nominal height of the oil scraper ring, according to the invention, an at least three-part oil scraper ring of a minimum axial installation height and with an improved oil-scraping effect should be obtained in that at least in each case one of the flanks (7a, 7b; 8a, 8b) of the lamellae has, in its radially inwardly situated wall region, a cut-out (11) which has a support face (12) for the engagement of the resilient limbs (3, 4) of the expanding-spring ring and is shaped such that the nominal height of the oil scraper ring is determined exclusively by the stack height (hL) of the lamellae (7, 8).

IPC 8 full level

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