

Title (en)
PRE-COMBUSTION CHAMBER ASSEMBLY FOR INTERNAL COMBUSTION ENGINES

Title (de)
VORKAMMERANORDNUNG FÜR VERBRENNUNGSMOTOREN

Title (fr)
ENSEMBLE CHAMBRE DE PRÉCOMBUSTION POUR MOTEURS À COMBUSTION INTERNE

Publication
EP 3118433 A1 20170118 (EN)

Application
EP 15176983 A 20150716

Priority
EP 15176983 A 20150716

Abstract (en)
The present disclosure relates to a pre-combustion chamber assembly (60) for internal combustion engines operating at least partly on gaseous fuel. In case of an additional gaseous fuel supply within the pre-combustion chamber assembly (60), an ignition device is required to be displaced out of center due to a lack of installation place in a central region. Thus, the disclosed pre-combustion chamber assembly (60) may comprise a pre-combustion chamber main portion (92) having a main portion central axis (93) that may extend in parallel to pre-combustion chamber assembly longitudinal central axis (63) with a predetermined offset (91). The pre-combustion chamber assembly (60) may further comprise an ignition device configured to initiate a combustion event at an ignition point (99) within the main portion (92). The ignition point (99) may lie substantially on the main portion central axis (93).

IPC 8 full level
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