

Title (en)
COMBUSTION CHAMBER.

Title (de)
VERBRENNUNGSKAMMER.

Title (fr)
CHAMBRE DE COMBUSTION.

Publication
EP 0034601 A1 19810902 (EN)

Application
EP 80901581 A 19810309

Priority
SE 7906798 A 19790814

Abstract (en)
[origin: WO8100610A1] A combustion chamber has a plurality of side chambers (10, 12, 14, 16) distributed about the central area of the chamber. A partition wall (28) divides the chamber into a first and a second chamber (32 and 34) and is extended by wall portions (28a) partly projecting into the side chambers and being attached to their side walls (12a, 12b) as well as leaving a through-flow opening (30) at the end edge (28b) of the respective wall portion (28a). The partition wall is provided with a plurality of stress concentration locations (36, 38, 40, 42) at which the partition wall ruptures into narrow cracks during the first few starts and heatings up to normal operational temperature and the coolings occurring during stopping, so that the partition wall will be free from stresses in subsequent operations of the apparatus.

Abstract (fr)
Une chambre de combustion possede une pluralite de chambres laterales (10, 12, 14, 16) distribuees autour de la region centrale de la chambre. Une paroi de separation (28) divise la chambre en une premiere chambre et en une seconde chambre (32 et 34) et se prolonge par des portions de paroi (28a) se projetant partiellement dans les chambres laterales et rattachees a leurs parois laterales (12a, 12b), et laissant une ouverture de passage du flux (30) au bord extreme (28b) de la portion de paroi respective (28a). La paroi de separation (28) est pourvue d'une pluralite de points de concentration de contraintes (36, 38, 40, 42) sur lesquels la cloison (28) se rompt en fissures etroites pendant les quelques premiers demarrages et chauffages jusqu'a atteindre la temperature de fonctionnement normal et les refroidissements se produisant a l'arret, de maniere a ce que la cloison (28) soit exempte de contraintes lors des fonctionnements ulterieurs de l'appareil.

IPC 1-7
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IPC 8 full level
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Cited by
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