

Title (en)
VARIABLE COMPRESSION PISTON ASSEMBLY

Title (de)
KOLBENZUORDNUNG MIT VARIABLER KOMPRESSION

Title (fr)
ENSEMBLE DE PISTONS A COMPRESSION VARIABLE

Publication
EP 1015744 A1 20000705 (EN)

Application
EP 98948218 A 19980915

Priority
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• US 92904297 A 19970915

Abstract (en)
[origin: WO9914471A1] A variable compression piston assembly (300) includes a plurality of pistons, e.g., double ended pistons (330, 332), a rotating member, e.g., a flywheel (322) or a zero-stroke pivot member, coupled to the transition arm (310) and configured for movement relative to the transition arm (310) along the axis of rotation of the rotating member (322). The movement of the rotating member (322) relative to the transition arm (310) changes the compression ratio of the piston assembly (330, 332). The transition arm (310) is coupled to each of the double ended pistons (330, 332) at approximately a center of each piston (330, 332). The movement of the rotating member (322) relative to the transition arm (310) changes the compression ratio and displacement of each double ended piston (330, 332).

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