



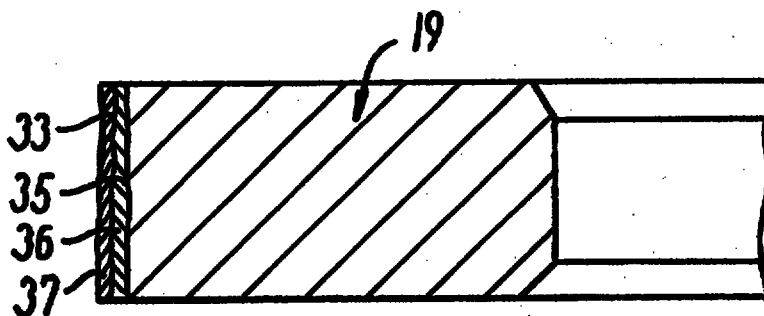
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(54) Title: PISTON RINGS AND/OR A PISTON IN AN INTERNAL COMBUSTION ENGINE OF THE DIESEL TYPE AND A METHOD OF RUNNING-IN OF A DIESEL ENGINE

(57) Abstract

Piston rings and/or a piston in a two-stroke crosshead engine are provided on their radial outer surfaces with a running-in layer (32, 37, 40, 42), which has a thickness of at least 0.1 mm in the radial direction and is made of a material which includes from 5 to 60 % of a solid-state lubricant, such as graphite, and 40 to 95 % of a metallic binder, such as Ni, Al, Si, and possibly up to 15 % of an organic binder. The macro-hardness of the running-in layer is less than 300 HV30. The running-in layer renders it possible for the engine to be started and brought up to full load within an aggregate operating period of at most three hours.



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