

Title (en)
PRESSURE EXCHANGER

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Application
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Abstract (en)
[origin: CA2031476A1] 89/152 This pressure wave machine has a cell wheel (2) with a longitudinal axis (3) which is supported in a casing by means of a bearing. One end face (4) of the cell wheel (2) interacts with a hot gas guidance casing (6) and the other (5) interacts with a gas guidance casing (8) by means of a radially directed sealing gap (7, 9) in each case. The invention is intended to provide a pressure wave machine (1) whose performance during a cold start is the same as that after the operating temperature has been reached. This is achieved in that the radially directed sealing gaps (7, 9) have at least one gap extension (20, 21) inclined to the longitudinal axis and that flanks (22, 23, 28, 29) of this gap extension are located on the generated surfaces of cones which have a common apex on the longitudinal axis (3). (Fig. 1)

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