

Title (en)
HEAT AND COLD-GENERATING MACHINE

Title (de)
WÄRME- UND KÄLTEMASCHINE

Title (fr)
MACHINE DE PRODUCTION DE CHALEUR ET DE FROID

Publication
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Application
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Abstract (en)
[origin: US6029449A] PCT No. PCT/EP96/00134 Sec. 371 Date Jul. 24, 1997 Sec. 102(e) Date Jul. 24, 1997 PCT Filed Jan. 13, 1996 PCT Pub. No. WO96/23182 PCT Pub. Date Aug. 1, 1998A hot and cold engine operating based on a regenerative gas cyclical process, with at least two pistons (2, 3), which separate at least three processing chambers (4, 6, 7) with an in-line arrangement of respectively at least one heat exchanger (13, 15) and at least one regenerator (11, 12) arranged in series with the heat exchanger. In order to eliminate the danger of freezing for the cold heat exchanger (15) and thus the air heat exchanger (16), at least one of the regenerators (12) assigned to the cold processing chamber (6) has a bypass (17) with a control valve (17a).

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F25B 9/00; F02G 1/044

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