Title (en)
  PISTONLESS COMPRESSOR

Title (de)
  KOLBENLOSER VERDICHTER

Title (fr)
  COMPRESSEUR SANS PISTON

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Abstract (en)
  [origin: WO2008031527A1] The invention relates to a compressor (1) for compressing gaseous media having at least one compressor cylinder
  (4a; 4b; 4c; 4d; 4e) that is connected to an inlet line (6) and an outlet line (7) for the medium, wherein an operating fluid (5), particularly an ionic
  operating fluid, is disposed in the compressor cylinder (4a; 4b; 4c; 4d; 4e), which is cooperating with a displacement machine (2), wherein the
  displacement machine (2) is configured as a piston machine having at least one cylinder space (2a; 2b; 2c; 2d; 2e), and each cylinder space (2a;
  2b; 2c; 2d; 2e) cooperates with a compressor cylinder (4a; 4b; 4c; 4d; 4e). In order to solve the task of providing a compressor, which ensures safe
  operation at minimal construction effort, the invention proposes that a separating device (8) for the operating fluid (5) is associated with the outlet
  line (7) of the compressor (1), wherein the separating device (8) cooperates with the inlet line (6) of the compressor (1) for the recirculation of the
  operating fluid (5).

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