

Side channel compressor having a seal assembly

Abstract

A side channel compressor for compressing a gas comprises a housing (3) and at least one impeller (2) which is arranged in the housing (3) and can be driven in rotation about a central axis (4). In addition, the side channel compressor has at least one seal assembly (38) which is arranged in the housing (3) and has at least one sealing device (47) which seals at least one gap (59) between the housing (3) and the at least one impeller (2) and forces said impeller (2) radially outward with respect to the central axis (4) in order to keep the at least one gap (59) small. The at least one seal assembly (38) also comprises at least one sealing-device-holding device (46) which holds the at least one sealing device (47) in an axially secured fashion with respect to the central axis (4) and has at least one main holding body (48).

Fig. 3