

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À SPIRALES

Publication
EP 3199753 A1 20170802 (EN)

Application
EP 17153568 A 20170127

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Abstract (en)

The present invention aims to reduce wear of a key of an Oldham link and a key groove in which the key slides. A scroll compressor (1) includes: a fixed scroll (2), an orbiting scroll (3) revolved relative to the fixed scroll (2); a shaft bearing (6) fixed to a housing (8) and supporting the orbiting scroll (3); and an Oldham link (10) interposed between the orbiting scroll (3) and the shaft bearing (6) and restricting rotation of the orbiting scroll (3). The Oldham link (10) has a first key (11) that slides in a radial direction of a rotating shaft (5) along a wall (21) of a key groove (20) provided in the orbiting scroll (3), and a second key (12) that slides in the radial direction of the rotating shaft (5) along a wall (31) of another key groove (30) provided in the shaft bearing (6). On the assumption of a flat reference surface (210) in the wall (21) of the key groove (20), the wall (21) has an offset portion (21A) that is gradually offset from the reference surface (210) while extending toward at least one of an outer peripheral-side end (20A) and an inner peripheral-side end (20B) of the key groove (20).

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Citation (applicant)
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