Title (en)
RECIPROCATING COMPRESSOR SUCTION VALVE STRUCTURE AND RECIPROCATING COMPRESSOR

Title (de)
SAUGVENTILANORDNUNG FÜR HUBKOLBENVERDICHTER UND HUBKOLBENVERDICHTER

Title (fr)
STRUCTURE DE SOUPAPE D'ASPIRATION DE COMPRESSEUR ALTERNATIF ET COMPRESSEUR ALTERNATIF

Publication
EP 3584440 A2 20191225 (EN)

Application
EP 19180356 A 20190614

Priority
JP 2018115093 A 20180618

Abstract (en)
A reed valve used as a suction valve (21) of a reciprocating compressor (1) has a tongue-form arm portion (23), an outer side form of the arm portion (23) is formed of a slit portion (24) provided in a suction valve sheet (22), and an inner side form of the arm portion (23) is formed of an aperture portion (25) provided in the suction valve sheet (23). An outer side reference line (L2) that coincides with the outer side form and an inner side reference line (L3) that coincides with the inner side form are caused to incline so as to intersect with a central line (L4) of the arm portion (23) that passes through both a central point (P2) of a cylinder bore (12) and a central point (P3) of a suction port (20), whereby a width of a base side (24c) of the arm portion (23) is greater than a width of a leading end side (24a). Furthermore, an angle (Rl) of inclination of the outer side reference line (L2) from the central line (L4) is a predetermined value or more greater than an angle (R2) of inclination of the inner side reference line (L3) from the central line (L4).

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CPC (source: EP)
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Citation (applicant)
- JP 2000054961 A 20000222 - TOYODA AUTOMATIC LOOM WORKS
- US 2587085 A 19520226 - ANDERSON PHILIP C

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