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(54) Title: RECIPROCATING COMPRESSOR

(57) Abstract

A reciprocating compressor (K1-K3) comprising: a connecting rod (21) in which a small end portion (22) having a small hole (22a) and a large end portion (25) having a large hole (25a) are coupled with each other; wherein the small end portion (22) is coupled with a piston (24) by a piston pin (23) loosely fitted into the small hole (22a), while an eccentric shaft (7a) of a crank shaft (7) is loosely fitted into the large hole (25a); wherein the large end portion (25) is

formed with a cylindrical bore (25b) having an axis passing through a center of the large hole (25a) and a fixing hole (25c, 28, 30) communicating with the cylindrical bore (25b); wherein after a cylindrical distal end portion (22c) of a rod portion (22b) of the small end portion (22) has been loosely fitted into or lightly pressfitted into the cylindrical bore (25b), not only the cylindrical distal end portion (22c) is fixed in the cylindrical bore (25b) by inserting a locking pin (26) into the fixing hole (25c, 28, 30) while a small torsional degree of freedom about an axis of the rod portion (22b) is being imparted to the rod portion (22b) but axes of the small hole (22a) and the large hole (25a) of the connecting rod (21) are disposed so as to be maintained on an identical plane.

