

Title (en)

CRANKSHAFT WITH FACILITATED COUNTERWEIGHT ADJUSTMENT AND METHOD OF ADJUSTING COUNTERWEIGHTS OF THE SAME

Title (de)

KURBELWELLE MIT VEREINFACHTER GEGENGEWICHTSEINSTELLUNG UND VERFAHREN ZUR ANPASSUNG VON GEGENGEWICHTEN DAVON

Title (fr)

VILEBREQUIN À RÉGLAGE DE CONTREPOIDS FACILITÉ ET PROCÉDÉ DE RÉGLAGE DE CONTREPOIDS ASSOCIÉ

Publication

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Application

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Abstract (en)

[origin: WO2015096848A1] The present invention relates to a crankshaft (1) which is suitable for use in a reciprocating compressor (2) of a refrigeration appliance, wherein the reciprocating compressor (2) has a variable refrigeration capacity. The crankshaft (1) comprises a shaft (3) which has an overhang portion (4) and a pin (5) for pivotably attaching a connecting rod (6) which is coupled to a piston head (7). The pin (5) is formed on the overhang portion (4) eccentrically with respect to a rotation axis (Ax) of the shaft (3). The crankshaft (1) of the present invention further comprises a mounting seat (17) configured to hold through the action of magnetic force one or more than one additional counterweight (8) which has a mass and shape determined in accordance with a target refrigeration capacity of the reciprocating compressor (2).

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