

# (12) International Application Status Report

**Received at International Bureau:** 29 July 2009 (29.07.2009)

**Information valid as of:** 11 May 2011 (11.05.2011)

**Report generated on:** 19 January 2021 (19.01.2021)

**(10) Publication number:**

WO2011/007912

**(43) Publication date:**

20 January 2011 (20.01.2011)

**(26) Publication language:**

Korean (KO)

**(21) Application Number:**

PCT/KR2009/003953

**(22) Filing Date:**

17 July 2009 (17.07.2009)

**(25) Filing language:**

Korean (KO)

**(51) International Patent Classification:**

**F04B 49/12** (2006.01); **F04B 49/16** (2006.01); **F04B 49/24** (2006.01)

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**(54) Title (EN):** RECIPROCATING COMPRESSOR

**(54) Title (FR):** COMPRESSEUR ALTERNATIF

**(54) Title (KO):** 왕복동식 압축기

**(57) Abstract:**

**(EN):** Disclosed is a reciprocating compressor, including a latching unit (140) which uses a magnetic force and by which a piston (123) is reciprocated by two times a total eccentric amount obtained by adding an eccentric amount of an eccentric portion to an eccentric amount of an eccentric sleeve (121) in a power mode, while the piston (123) is reciprocated by two times the eccentric amount of the eccentric portion in a saving mode, whereby the piston (123) can have an upper dead point same in the power mode and the saving mode of the compressor, resulting in reducing a dead volume between the piston (123) and a discharge valve and increasing a variable ratio of a cooling capacity of the compressor in the saving mode.

**(FR):** La présente invention concerne un compresseur alternatif comprenant une unité de verrouillage qui utilise une force magnétique par l'intermédiaire de laquelle un piston est entraîné par va-et-vient à une valeur correspondant à deux fois la valeur totale excentrique obtenue par ajout d'une valeur excentrique d'une partie excentrique à une valeur excentrique d'un manchon excentrique dans un mode actif, pendant que le piston est entraîné par va-et-vient à une valeur égale à deux fois la valeur excentrique de la portion excentrique dans un mode économie d'énergie. Le piston peut avoir un point mort supérieur identique en mode actif et en mode économie d'énergie du compresseur, ce qui permet d'obtenir une réduction du volume mort entre le piston et une soupape de décharge et d'augmenter un taux variable d'une capacité de refroidissement du compresseur en mode économie d'énergie.

**(KO):** 본 발명에 의한 왕복동식 압축기에 관한 것이다. 본 발명의 왕복동식 압축기는, 자력을 이용하여 파워운전시에는 피스톤(123)이 편심부의 편심량과 편심슬리브(121)의 편심량을 합한 총편심량의 2배만큼 왕복운동을 하는 반면 세이빙 운전시에는 상기 피스톤(123)이 편심부의 편심량의 2배만큼 왕복운동을 하도록 래칭수단이 구성됨으로써, 압축기의 파워운전시와 세이빙운전시 상기 피스톤(123)의 상사점 위치가 동일하게 이루어질 수 있고, 이를 통해 세이빙운전시 상기 피스톤(123)과 토출밸브 사이의 사체적을 줄일 수 있을 뿐만 아니라 압축기의 냉력가변비율을 확대할 수 있다.

**International search report:**

Received at International Bureau: 14 April 2011 (14.04.2011) [AT]

## **International Report on Patentability (IPRP) Chapter II of the PCT:**

Not available

### **(81) Designated States:**

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

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