

Title (en)

Swash plate type variable displacement compressor

Title (de)

Taumelscheibe mit variablem Verschiebungsverdichter

Title (fr)

Compresseur à déplacement variable de type brise-flot

Publication

EP 2096308 B1 20110608 (EN)

Application

EP 09153858 A 20090227

Priority

JP 2008047022 A 20080228

Abstract (en)

[origin: EP2096308A2] A swash plate type variable displacement compressor includes a crank chamber (16), a rotary shaft (17), a swash plate (23), a piston (29), a supply passage (42) and first and second bleed passages (48,58). The supply passage connecting the crank chamber to a discharge pressure region (39) is provided with a displacement control valve (35). The pressure in the crank chamber is varied by adjusting the opening of the displacement control valve. The first bleed passage (48) connecting the crank chamber to the suction pressure region is provided with a valve (50). The second bleed passage (58) constantly connecting the crank chamber to the suction pressure region (38) is provided with a throttle (59). The valve (50) operates to close the first bleed passage according to the magnitude of centrifugal force generated by the rotation of the rotary shaft.

IPC 8 full level

F04B 27/18 (2006.01)

CPC (source: EP US)

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