

Title (en)

SCREW COMPRESSOR PULSATION DAMPER

Title (de)

SCHRAUBENKOMPRESSOR-PULSATIONS DÄMPFER

Title (fr)

AMORTISSEUR DE PULSATION POUR COMPRESSEUR À VIS

Publication

**EP 2198125 B1 20170621 (EN)**

Application

**EP 07839131 A 20071001**

Priority

US 2007021144 W 20071001

Abstract (en)

[origin: WO2009045187A1] A screw compressor (10) comprises a housing (12, 14, 16), a slide valve assembly (23) and a pulsation damper. The housing (12, 14, 16) receives a supply of working matter from a pair of intermeshing screw rotors (18, 20), and comprises a slide recess (51), a pressure pocket (32), and a piston cylinder (54). The slide valve assembly (23) regulates the capacity of the screw compressor (10), and comprises a slide valve (36) axially movable within the slide recess (51) and the pressure pocket (32), a piston head (40) axially movable within the piston cylinder (54), and a piston shaft (38) connecting the slide valve (36) with the piston head (40). The pulsation damper comprises a flange (58) for separating the pressure pocket (32) from the piston cylinder (54), a bore (60) for receiving the piston rod (38), and a damping channel (46A) extending through the flange (58).

IPC 8 full level

**F01C 1/16** (2006.01)

CPC (source: EP US)

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