

Title (en)
COMPRESSOR

Title (de)
KONDENSATOR

Title (fr)
CONDENSEUR

Publication
EP 2886864 B1 20180307 (EN)

Application
EP 13823006 A 20130723

Priority
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Abstract (en)
[origin: EP2886864A1] An area of an inlet end (51) of the discharge port (50) is A_i ; a peripheral length of the inlet end (51) is L_i ; and a hydraulic diameter of the inlet end (51) is defined by $D_i = 4(A_i/L_i)$. A peripheral length of the outlet end (52) of the discharge port (50) is L_o ; a reference lift amount of the valve body (61) is h_o ; a cross sectional area of an outlet side flow path (70) formed between the outlet end (52) of the discharge port (50) and the valve body (61) is defined by $A_o = L_o \times h_o$; and a hydraulic diameter of the outlet side flow path (70) is defined by $D_o = 4(A_o/2L_o)$. A ratio (D_o/D_i) of the hydraulic diameter D_o of the outlet side flow path (70) to the hydraulic diameter D_i of the inlet end (51) of the discharge port (50) is 0.5 or less. As a result, the lift amount of the valve body (61) is optimized, thereby improving the efficiency of the compressor.

IPC 8 full level
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