

Title (en)
Compressor capacity control method and apparatus therefor.

Title (de)
Methode und Vorrichtung zur Mengenregelung eines Kompressors.

Title (fr)
Méthode et dispositif de contrôle de capacité d'un compresseur.

Publication
EP 0482592 B1 19950125 (EN)

Application
EP 91118009 A 19911022

Priority
JP 28427990 A 19901024

Abstract (en)
[origin: EP0482592A1] A compressor capacity control method and an apparatus therefor in which an on-off type control valve (2) provided at the inlet side of a compressor body (1) is made on or off for putting the compressor body (1) in a full load operational condition or in an unload operational condition, respectively; and the pressure (P) at the load side of the compressor (18) is detected (8), and when the detected pressure (P) reaches a predetermined upper pressure limit (Pmax), the on-off type control valve (2) is made off, thereby putting the compressor body (1) in an unload operational condition, while when the detected pressure (P) reaches a predetermined lower pressure limit (Pmin), the on-off type control valve (2) is made on, thereby putting the compressor body 1 in a full load operational condition, whereby a magnitude (q) of load at the load side of the compressor (18) is detected (21; 27c; 8b; 32, 33), and at least one of the upper pressure limit (Pmax) and the lower pressure limit (Pmin) is so changed as to make the on-off switching period (DELTA t; DELTA t1) of said on-off control valve (2) not shorter than a predetermined value
<MATH> <IMAGE>

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Cited by
US8894381B2; EP1515047A3; US5401149A; US5613843A; GB2325994A; GB2325994B; EP0593225A1; CN103291595A; CN110454371A; US2011129361A1; CN106460831A; BE1014042A5; US2012156079A1; US9022748B2; CN110454370A; US6174137B1; USRE40830E; US6599094B2; TWI555912B

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