

Title (en)

AN APPARATUS FOR DAMPENING VIBRATIONS IN A REFRIGERATION SYSTEM

Title (de)

VORRICHTUNG ZUR DÄMPFUNG VON SCHWINGUNGEN IN EINEM KÜHLSYSTEM

Title (fr)

APPAREIL POUR AMORTIR LES VIBRATIONS DANS UN SYSTÈME DE RÉFRIGÉRATION

Publication

**EP 3929508 B1 20230419 (EN)**

Application

**EP 21169588 A 20210421**

Priority

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Abstract (en)

[origin: EP3929508A1] An apparatus for dampening vibrations in a refrigeration system (100) comprises: a check valve (3) operatively connectable between an economizer inlet (13) of a compressor (1) and the economizer branch (2), the check valve (3) including a housing (302) and a shutter (301) movable within the housing (302); a first bypass branch (31), having a first end (31A) connectable to the refrigeration circuit to receive a first flow of the refrigerant fluid, and a second end (31B) connected to the check valve (3) on a first side of the shutter (301A), a second bypass branch (32), having a first end (32A) connectable to the refrigeration circuit to receive a second flow of the refrigerant fluid, and a second end (32B) connected to the economizer branch (2), wherein the shutter (301) is movable by effect of a pressure difference between the first side (301A) of the shutter (301), and the second side (301B) of the shutter (301).

IPC 8 full level

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