

Title (en)

METHODS AND APPARATUS FOR REDUCING THE NOISE LEVEL OUTPUTTED BY OIL SEPARATOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERRINGERUNG DES VON EINEM ÖLABSCHEIDER ABGEGEBENEN LÄRMPEGELS

Title (fr)

PROCEDES ET APPAREIL POUR REDUIRE LE NIVEAU DE BRUIT DANS UN SEPARATEUR D'HUILE

Publication

EP 1888982 B1 20101215 (EN)

Application

EP 05755080 A 20050531

Priority

US 2005018827 W 20050531

Abstract (en)

[origin: WO2006130131A1] A muffling apparatus (100) having a first, muffling segment (1010) and a second (1020), non-muffling segment is provided for placement within an oil separator of refrigeration or cooling system, wherein the apparatus has a non-straight shape and a lumen defined therein to allow for noise-creating pressure pulsations/waves to come into contact with absorbing material (120) of the muffling segment (1010) in order to attenuate the energy of the pressure waves/pulsations into heat and thus reduce oil separator vibrations caused thereby.

IPC 8 full level

F25B 43/02 (2006.01); **F04B 39/16** (2006.01)

CPC (source: EP US)

F25B 43/02 (2013.01 - EP US); **F25B 2500/12** (2013.01 - EP US)

Citation (examination)

- US 5784784 A 19980728 - FLANIGAN PAUL J [US], et al
- US 2809813 A 19571015 - FLETCHER WENDELL S
- US 5007499 A 19910416 - EBBING CHARLES E [US], et al
- DE 19522383 A1 19970102 - DANFOSS COMPRESSORS GMBH [DE]

Cited by

US11536501B2

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DOCDB simple family (publication)

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DOCDB simple family (application)

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