

## Title (en)

METHOD FOR STOPPING A HERMETIC REFRIGERANT COMPRESSOR AND CONTROL SYSTEM FOR SAME

## Title (de)

VERFAHREN ZUM ANHALTEN EINES HERMETISCH GEKAPSELTEN KÄLTEMITTELVERDICHTERS UND STEUERUNGSSYSTEM FÜR DIESEN

## Title (fr)

PROCÉDÉ D'ARRÊT D'UN COMPRESSEUR HERMÉTIQUE DE RÉFRIGÉRANT ET SON SYSTÈME DE COMMANDE

## Publication

**EP 3256726 B1 20190904 (DE)**

## Application

**EP 16703334 A 20160209**

## Priority

- EP 15154373 A 20150209
- EP 2016052736 W 20160209

## Abstract (en)

[origin: WO2016128405A1] Method for stopping a hermetically encapsulated refrigerant compressor (1) having a hermetically sealed housing (7), arranged therein a reciprocating piston/cylinder unit (2) which comprises a crankshaft (3), and an electric motor (4) which drives the crankshaft (3), and a control unit (5) which controls the electric motor (4), wherein the control unit (5) operates the electric motor (4) if an operating signal, preferably a frequency signal, is present, and detects the termination of the operating signal. It is provided that, after the detection of the termination of the operating signal, a rotational speed (V) of the crankshaft (3) is reduced by means of the electric motor (4) with a reduction rate over a time duration (I), wherein the time duration (I) is determined in a manner which is dependent on the last operating signal before it is terminated.

## IPC 8 full level

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## CPC (source: EP)

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## Citation (opposition)

Opponent : Embraco Industria de Compressores e Soluções em Refrigeração Ltda.

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- EP 2759788 A1 20140730 - LG ELECTRONICS INC [KR]
- US 6051952 A 20000418 - MOREIRA JULIO C [US], et al
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- US 6121739 A 20000919 - HABERLANDER ALBERT [DE]
- US 4355959 A 19821026 - KONO HIROYA, et al
- US 2010021313 A1 20100128 - DEVAN STEPHEN MARSHALL [US], et al
- US 2009019835 A1 20090122 - DINGLE PHILIP J G [US]
- ANONYMOUS: "XV CONTROLLERS ATTACHED ELECTRONIC UNIT OPERATING INSTRUCTIONS", SECOP, 1 November 2014 (2014-11-01), pages 1 - 36, XP055754667, Retrieved from the Internet <URL:https://www.secop.com/fileadmin/user\_upload/technical-literature/operating-instructions/xv\_attached\_controller\_101n05022\_operating\_instructions\_11-2014\_dess300h102.pdf> [retrieved on 20201127]
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## DOCDB simple family (application)

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