

Title (en)

COMPRESSION AND ENERGY-RECOVERY UNIT

Title (de)

VERDICHTUNG UND ENERGIE RÜCKGEWINNUNGSEINHEIT

Title (fr)

UNITÉ DE COMPRESSION ET RÉCUPÉRATION D'ENERGIE

Publication

**EP 2744989 A1 20140625 (EN)**

Application

**EP 11784797 A 20110919**

Priority

IT 2011000325 W 20110919

Abstract (en)

[origin: WO2013042142A1] A compression and energy-recovery unit, comprising a compressor (42) driven by an electric motor (43) and provided with a lubricating/cooling oil system and a Rankine-cycle or Hirn-cycle recuperator (41), which is provided with a bladed expander (1) and uses a working fluid in at least indirect heat exchange with the lubricating/cooling oil of the compressor (42).

IPC 8 full level

**F01M 5/00** (2006.01); **F01K 25/00** (2006.01); **F16N 39/02** (2006.01)

CPC (source: EP)

**F01K 25/08** (2013.01); **F01M 5/002** (2013.01)

Citation (search report)

See references of WO 2013042142A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2013042142 A1 20130328**; CN 103975134 A 20140806; CN 103975134 B 20170718; EP 2744989 A1 20140625; EP 2744989 B1 20190306

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**IT 2011000325 W 20110919**; CN 201180074941 A 20110919; EP 11784797 A 20110919