

Title (en)  
AIR COMPRESSION DEVICE

Title (de)  
LUFTKOMPRESSIONSVORRICHTUNG

Title (fr)  
DISPOSITIF DE COMPRESSION D'AIR

Publication  
**EP 3696409 A1 20200819 (EN)**

Application  
**EP 20156900 A 20200212**

Priority  
JP 2019023062 A 20190212

Abstract (en)  
An air compression device(100) includes: a compressor (10) that compresses air sucked from a suction path and deliver the air to a delivery path; a motor (12) that drives the compressor; a supply device (40) that supplies driving power to the motor; and a cooling unit (42) that is provided in at least a part of the suction path or at least a part of the delivery path to cool the supply device.

IPC 8 full level  
**F04B 35/04** (2006.01); **F04B 39/06** (2006.01); **F04B 53/08** (2006.01); **F04C 29/04** (2006.01)

CPC (source: CN EP)  
**F04B 35/04** (2013.01 - EP); **F04B 39/06** (2013.01 - EP); **F04B 39/066** (2013.01 - CN EP); **F04B 53/08** (2013.01 - EP);  
**F04C 18/0215** (2013.01 - EP); **F04C 29/04** (2013.01 - EP); **F04C 29/047** (2013.01 - CN); **F04C 2210/1005** (2013.01 - EP)

Citation (applicant)  
JP 2016075159 A 20160512 - HITACHI INDUSTRY EQUIPMENT SYSTEMS CO LTD

Citation (search report)  
• [X1] JP 2009185648 A 20090820 - HITACHI KOKI KK  
• [X1] JP 2008175156 A 20080731 - HITACHI IND EQUIPMENT SYS  
• [XDI] JP 2016075159 A 20160512 - HITACHI INDUSTRY EQUIPMENT SYSTEMS CO LTD

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3696409 A1 20200819**; CN 111550410 A 20200818; JP 2020133404 A 20200831; JP 7388817 B2 20231129

DOCDB simple family (application)  
**EP 20156900 A 20200212**; CN 202010088782 A 20200212; JP 2019023062 A 20190212