

Title (en)  
VARIABLE COMPRESSION DEVICE, AND ENGINE SYSTEM

Title (de)  
VORRICHTUNG MIT VARIABLER KOMPRESSION UND MOTORSYSTEM

Title (fr)  
DISPOSITIF DE COMPRESSION VARIABLE ET SYSTÈME DE MOTEUR

Publication  
**EP 3719273 A4 20210825 (EN)**

Application  
**EP 18882401 A 20181128**

Priority  
• JP 2017228333 A 20171128  
• JP 2018043835 W 20181128

Abstract (en)  
[origin: EP3719273A1] The variable compression device (A) includes: a piston rod (6) whose end portion is provided with a flange (6c); a fluid chamber (R3) that causes the piston rod to be moved in a direction in which a compression ratio is increased by a pressurized working fluid being supplied thereto; a regulation member (7c) that is provided such that the flange is interposed between the regulation member and the fluid chamber, and regulates movement of the piston rod in the direction in which the compression ratio is increased; a regulation member-side fluid chamber (R7) that is provided between the flange and the regulation member with the flange forming a bottom surface of the regulation member-side fluid chamber; a supply flow path (R6) that supplies a cooling fluid to the regulation member-side fluid chamber; and a piston rod internal flow path (R8) that includes an opening end on the bottom surface and guides the cooling fluid in the regulation member-side fluid chamber to an inside of the piston rod.

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  
• [A] EP 3098416 A1 20161130 - IHI CORP [JP]  
• [A] EP 3098417 A1 20161130 - IHI CORP [JP]  
• [A] WO 2016182000 A1 20161117 - IHI CORP [JP]  
• [AD] JP 2014020375 A 20140203 - WAERTSILAE NSD SCHWEIZ AG  
• See references of WO 2019107434A1

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