

Title (en)
SCROLL COMPRESSOR

Title (de)
SPIRALVERDICHTER

Title (fr)
COMPRESSEUR À VOLUTE

Publication
EP 2998585 A4 20160720 (EN)

Application
EP 14830230 A 20140624

Priority
• JP 2013154204 A 20130725
• JP 2014003372 W 20140624

Abstract (en)
[origin: EP2998585A1] An object of the present invention is to improve the reliability of a 3D-type scroll compressor by improving the durability of tip seals thereof. In a 3D-type scroll compressor 10, a pair of scrolls 20 and 30 includes wraps 21 and 31 configured to decrease in height via stepped portions 21C and 31C, and end plates 200 and 300 having stepped walls 20C and 30C being erected following the stepped portions 31C and 21C of the counterpart wraps 31 and 21, respectively. An inner circumferential tip seal 41 (51) provided in an inner circumferential side of the stepped portion 21C (31C) and lying between the wrap and the end plate 300 (200) and an outer circumferential tip seal 42 (52) provided in an outer circumferential side of the stepped portion 21C (31C) and lying between the wrap and the end plate 300 (200) are different in material at least at portions facing the end plate 300 (200).

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Citation (search report)
• [A] EP 2436928 A1 20120404 - MITSUBISHI HEAVY IND LTD [JP]
• [A] JP 2004346791 A 20041209 - MITSUBISHI HEAVY IND LTD
• See references of WO 2015011875A1

Cited by
EP4032764A1; EP3677781A4

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

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