

Title (en)  
SCROLL FLUID MACHINE

Title (de)  
SPIRALFLUIDMASCHINE

Title (fr)  
MACHINE HYDRAULIQUE À SPIRALE

Publication  
**EP 3751143 B1 20220302 (EN)**

Application  
**EP 19758318 A 20190206**

Priority  
• JP 2018028957 A 20180221  
• JP 2019004254 W 20190206

Abstract (en)  
[origin: EP3751143A1] The present invention is to provide a scroll fluid machine capable of reliably introducing an intermediate-pressure refrigerant during a compression process and improving the efficiency of a compressor. A scroll compressor (1) includes a fixed scroll (18) and an orbiting scroll (19); after sealing of a compression chamber (20) is started, a first region is set in which a volume change of the compression chamber (20) is gradual or substantially constant; a wall body (18b) and a wall body (19b) include a first wall-body inclined part in which heights of the wall bodies (18b) and (19b) continuously increase from an outer peripheral side to an inner peripheral side in a spiral direction; an end plate (18a) and an end plate (19a) include a first end-plate inclined part in which a tooth bottom opposite to a tooth tip of the first wall-body inclined part is inclined according to an inclination of the first wall-body inclined part; and at least a part of the first region is set by positions and shapes of the first wall-body inclined part and the first end-plate inclined part.

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CPC (source: EP)  
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