

Title (en)
SCROLL FLUID MACHINE

Title (de)
SPIRALFLUIDMASCHINE

Title (fr)
MACHINE À FLUIDE À SPIRALE

Publication
EP 3444476 B1 20210106 (EN)

Application
EP 17846367 A 20170825

Priority
• JP 2016169193 A 20160831
• JP 2017030636 W 20170825

Abstract (en)
[origin: EP3444476A1] Provided is a scroll fluid machine that is capable of improving performance of the scroll fluid machine by effectively exhibiting a tip seal function even when a continuous slope is provided to a wall body and an end plate. A slope in which the distance between opposing surfaces of opposing end plates (3a, 5a) reduces from the outer peripheral side toward the inner peripheral side is provided, and a tip seal (7) that comes into contact with an opposing tooth bottom so as to seal a fluid is provided to a tip seal groove (3d) formed at a tooth tip of the wall body (3b, 5b) corresponding to the slope. A plate spring (11) that urges the tip seal (7) to the tooth bottom side is provided between the tip seal (7) and the groove bottom (3d1) of the tip seal groove (3d).

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
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