

Title (en)
SCROLL TYPE FLUID MACHINE

Title (de)
STRÖMUNGSMASCHINE DER SPIRALBAUART

Title (fr)
MACHINE DE LIQUIDE DE TYPE À ROULEAU

Publication
EP 2154375 A4 20130116 (EN)

Application
EP 08753037 A 20080521

Priority
• JP 2008059360 W 20080521
• JP 2007145176 A 20070531

Abstract (en)
[origin: EP2154375A1] A scroll type fluid machine (1) comprises a root portion (58) having a tapered surface (60) tilting from a taper end (60a) located on a side face (44a) of a wrap (44) toward a plate surface (40a) on which the wrap (44) stands, and a chamfer (68) on a wrap (42) paired with the wrap (44) having the root portion (58), formed by chamfering from a chamfer end (70) located on a side face (42a) of the wrap (42) toward an end face (42b) of the wrap (42). The chamfer (68) is formed to have a size ensuring that, with a sliding contact plane (66) defined, the chamber is separated from the root portion (58) and the distance from the chamfer end (70) to the sliding contact plane (60) is greater than or equal to the distance from the taper end (60a) to the sliding contact plane (66).

IPC 8 full level
F04C 18/02 (2006.01)

CPC (source: EP)
F04C 18/0269 (2013.01); **F04C 18/0284** (2013.01); **F04C 23/008** (2013.01); **F04C 2210/1027** (2013.01); **F04C 2210/1072** (2013.01)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2008149672A1

Cited by
US10711782B2; US10590769B2

Designated contracting state (EPC)
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