

Title (en)

PISTON FOR A PISTON PUMP, METHOD FOR PRODUCING A PISTON, AND PISTON PUMP

Title (de)

KOLBEN FÜR EINE KOLBENPUMPE, VERFAHREN ZUR HERSTELLUNG EINES KOLBENS, SOWIE KOLBENPUMPE

Title (fr)

PISTON POUR POMPE À PISTON, PROCÉDÉ DE FABRICATION D'UN PISTON ET POMPE À PISTON

Publication

**EP 4288664 A1 20231213 (DE)**

Application

**EP 22703382 A 20220202**

Priority

- DE 102021201112 A 20210205
- EP 2022052512 W 20220202

Abstract (en)

[origin: WO2022167501A1] The present invention relates to a piston for a piston pump, in particular a piston compressor, comprising a piston base body (1) and a piston head valve (3) having a reed valve plate (31), wherein the reed valve plate (31) is fastened with a collar ring (4) to the piston base body (1). The invention also relates to a method for producing a piston, to a piston pump, in particular a piston compressor, comprising a piston according to the invention.

IPC 8 full level

**F04B 39/00** (2006.01); **F04B 39/10** (2006.01); **F04B 53/10** (2006.01); **F04B 53/12** (2006.01); **F16J 1/00** (2006.01)

CPC (source: EP US)

**F04B 39/0016** (2013.01 - EP US); **F04B 39/1086** (2013.01 - EP); **F04B 53/105** (2013.01 - EP); **F04B 53/123** (2013.01 - EP); **F16J 1/005** (2013.01 - EP US)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021201112 A1 20220811**; CN 117242261 A 20231215; EP 4288664 A1 20231213; US 2024117800 A1 20240411; WO 2022167501 A1 20220811

DOCDB simple family (application)

**DE 102021201112 A 20210205**; CN 202280013441 A 20220202; EP 2022052512 W 20220202; EP 22703382 A 20220202; US 202218275946 A 20220202