

Title (en)
VACUUM PUMP SYSTEM

Title (de)
VAKUUMPUMPEN-SYSTEM

Title (fr)
SYSTÈME DE POMPES À VIDE

Publication
EP 3161317 A1 20170503 (DE)

Application
EP 15729446 A 20150615

Priority
• DE 202014005279 U 20140626
• EP 2015063287 W 20150615

Abstract (en)
[origin: WO2015197396A1] A vacuum pump system for evacuating a chamber, in particular a lock chamber or process chamber, comprises a main vacuum pump (12) preferably designed as a screw pump. An inlet (30) of the main vacuum pump (12) is connected to the chamber that is to be evacuated. An auxiliary vacuum pump (24), especially a Roots pump, is disposed in the pumping direction of the main vacuum pump (12). An outlet zone (32) of the main vacuum pump (12) is connected to a main outlet (34) and to an inlet (38) of the auxiliary vacuum pump. Furthermore, an outlet (40) of the auxiliary vacuum pump is connected to the main outlet (34).

IPC 8 full level
F04C 23/00 (2006.01); **F04C 18/12** (2006.01); **F04C 18/16** (2006.01); **F04C 25/02** (2006.01); **F04C 28/02** (2006.01); **F04C 28/26** (2006.01)

CPC (source: CN EP KR US)
F04C 18/12 (2013.01 - KR); **F04C 18/126** (2013.01 - US); **F04C 18/16** (2013.01 - EP KR US); **F04C 23/005** (2013.01 - CN EP KR US); **F04C 25/02** (2013.01 - CN EP KR US); **F04C 28/02** (2013.01 - KR); **F04C 28/26** (2013.01 - CN EP KR US); **F04C 18/12** (2013.01 - CN EP US); **F04C 18/16** (2013.01 - CN); **F04C 28/02** (2013.01 - CN EP US)

Citation (search report)
See references of WO 2015197396A1

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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

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DE 202014005279 U1 20151005; CN 106662106 A 20170510; EP 3161317 A1 20170503; EP 3161317 B1 20201230; JP 2017520715 A 20170727; JP 6615132 B2 20191211; KR 101878088 B1 20180712; KR 20170010410 A 20170131; US 10465686 B2 20191105; US 2017122319 A1 20170504; WO 2015197396 A1 20151230

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