

Title (en)
VACUUM PUMP WITH LUBRICANT LEVEL LIMITATION DEVICE

Title (de)
VAKUUMPUMPE MIT SCHMIERMITTELPEGEL-BEGRENZUNGSVORRICHTUNG

Title (fr)
POMPE À VIDE DOTÉE D'UN DISPOSITIF DE LIMITATION DE NIVEAU DE LUBRIFIANT

Publication
EP 3396163 B1 20220216 (DE)

Application
EP 17168602 A 20170428

Priority
EP 17168602 A 20170428

Abstract (en)
[origin: JP2018189086A] PROBLEM TO BE SOLVED: To provide a vacuum pump with a low-cost device, with which a lubricant level for a component of the vacuum pump to be lubricated can be adjusted and maintained correctly.SOLUTION: The vacuum pump has a lubricant level-limiting device 31 to limit the level 19 of a lubricant in a chamber 11 in which at least one component 13 to be lubricated by splash lubrication is arranged. The level-limiting device includes an overflow pipe 33 and a lubricant seal. The overflow pipe has a lower opening and an upper opening 41 projecting into the chamber, and is disposed in an opening 23 in a bottom 25 of the chamber. With the lubricant seal 45, the lower opening of the overflow pipe can be closed. Further, the upper opening of the overflow pipe is open and the position of the upper opening defines the level of lubricant in the chamber, and further, the upper opening is arranged adjacent to the component 13 to be lubricated.SELECTED DRAWING: Figure 6a

IPC 8 full level
F04C 25/02 (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP)
F04C 25/02 (2013.01); **F04C 29/02** (2013.01); **F04C 18/12** (2013.01); **F04C 2220/10** (2013.01); **F04C 2240/809** (2013.01); **F04C 2270/24** (2013.01)

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