

Title (en)
VALVE SEAT RING

Title (de)
VENTILSITZRING

Title (fr)
BAGUE DE SIÈGE DE SOUPAPE

Publication
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Application
EP 17731073 A 20170524

Priority
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Abstract (en)
[origin: WO2017202998A1] The invention relates to a highly heat-conductive valve seat ring (1) having a carrier layer (2) and a functional layer (3), the carrier layer (2) has a solidified copper matrix having 0.10 - 20 wt.% of a solidified component, and the functional layer (3) has a solidified copper matrix which also contains 5 - 35 wt.% of more or more hard phases with respect to the copper matrix.

IPC 8 full level
B22F 5/10 (2006.01); **B22F 7/02** (2006.01); **B22F 7/06** (2006.01); **C22C 1/05** (2006.01); **C22C 9/00** (2006.01); **F01L 3/02** (2006.01); **F01L 3/04** (2006.01); **F01L 3/08** (2006.01); **F16K 25/00** (2006.01)

CPC (source: EP KR US)
B22F 5/106 (2013.01 - EP KR US); **B22F 7/02** (2013.01 - EP KR US); **B22F 7/064** (2013.01 - EP KR US); **C22C 1/05** (2013.01 - EP KR US); **C22C 9/00** (2013.01 - EP KR US); **C22C 32/00** (2013.01 - EP US); **F01L 3/02** (2013.01 - EP US); **F01L 3/04** (2013.01 - EP KR US); **F01L 3/08** (2013.01 - KR US); **F16K 25/005** (2013.01 - EP KR US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US); **F01L 2303/00** (2020.05 - EP US); **F01L 2810/02** (2013.01 - EP US); **F01L 2820/01** (2013.01 - EP US); **F05C 2201/0475** (2013.01 - EP KR US); **F05C 2251/04** (2013.01 - EP US)

Citation (search report)
See references of WO 2017202998A1

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BA ME

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EP 2017062681 W 20170524; CN 201780031636 A 20170524; DE 102016109539 A 20160524; EP 17731073 A 20170524; JP 2018558729 A 20170524; KR 20187033403 A 20170524; US 201716099615 A 20170524