

Title (en)
NITRIDED VALVE LIFTER AND METHOD FOR MANUFACTURE THEREOF

Title (de)
NITRIDIERTER VENTILSTÖSSEL UND ZUGEHÖRIGES HERSTELLUNGSVERFAHREN

Title (fr)
POUSSOIR DE SOUPAPE NITRURE ET SON PROCEDE DE FABRICATION

Publication
EP 1602743 B1 20071226 (EN)

Application
EP 04718747 A 20040309

Priority
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Abstract (en)
[origin: EP1602743A1] A sliding surface (2) of a valve lifter (1) or a shim (3) is subjected to a gaseous nitriding to have a surface hardness of Hv 660 or higher and a thickness of a compound layer (6) of 1 to 5 μ m. The nitrided layer on the surface is a dense compound layer (6) with a porosity of 5 % or less. <IMAGE>

IPC 8 full level
C23C 8/32 (2006.01); **C23C 8/02** (2006.01); **C23C 8/26** (2006.01); **C23C 8/34** (2006.01); **F01L 1/14** (2006.01); **F01L 1/16** (2006.01)

CPC (source: EP KR US)
C23C 8/02 (2013.01 - EP KR US); **C23C 8/26** (2013.01 - EP KR US); **C23C 8/32** (2013.01 - KR); **C23C 8/34** (2013.01 - EP US); **F01L 1/14** (2013.01 - KR); **F01L 1/16** (2013.01 - EP US); **F01L 2303/00** (2020.05 - EP US)

Cited by
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