

Title (en)  
SELF LOCKING VALVE SEAT INSERT

Publication  
**EP 0014285 B1 19820908 (EN)**

Application  
**EP 79302609 A 19791116**

Priority  
US 952779 A 19790205

Abstract (en)  
[origin: EP0014285A1] A valve seat insert for installation in cylinder heads of internal combustion engines which includes a pilot flange, an annular groove and a locking flange by which the valve seat insert is locked into the cylinder head.

IPC 1-7  
**F01L 3/22**

IPC 8 full level  
**F01L 3/22** (2006.01); **F16K 1/46** (2006.01)

CPC (source: EP)  
**F01L 3/22** (2013.01)

Cited by  
EP2162651A4; CN112943404A; CN1293287C; CN102893067A; US8636264B2; US9022353B2; WO02081873A1

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DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0014285 A1 19800820; EP 0014285 B1 19820908**; BR 8000501 A 19801014; CA 1143234 A 19830322; DE 2963649 D1 19821028; DK 46880 A 19800806; JP S55107012 A 19800816; JP S5815603 B2 19830326

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**EP 79302609 A 19791116**; BR 8000501 A 19800125; CA 340476 A 19791123; DE 2963649 T 19791116; DK 46880 A 19800204; JP 17388279 A 19791227