

Title (en)
Cylinder liner

Title (de)
Zylinderlaufbüchse

Title (fr)
Chemise pour cylindre

Publication
EP 0816660 B1 20020605 (DE)

Application
EP 97110012 A 19970619

Priority
DE 19626574 A 19960702

Abstract (en)
[origin: EP0816660A1] The liner (2) is inserted or cast in the cylinder bore of an internal combustion engine. It is reinforced at the rim (4) towards the cylinder-head and/or at the point where reversal of the piston movement takes place. Copper, nickel or an alloy of the two can be diffused into the basic liner material. This can be done by electric-arc welding, plasma welding or laser-impulse welding, or burning in with a laser ray.

IPC 1-7
F02F 1/00; **F02F 1/20**; **F02B 77/02**

IPC 8 full level
F02B 77/02 (2006.01); **F02F 1/00** (2006.01); **F02F 1/20** (2006.01)

CPC (source: EP)
F02B 77/02 (2013.01); **F02F 1/20** (2013.01); **F05C 2201/021** (2013.01)

Cited by
EP1752560A1; DE102011102208A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0816660 A1 19980107; **EP 0816660 B1 20020605**; DE 19626574 A1 19980108; DE 59707392 D1 20020711

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