

Title (en)

Circuit liner unit for an internal combustion engine and method of fabrication

Title (de)

Zylinderlaufbuchse für Verbrennungskraftmaschinen und ihr Herstellungsverfahren

Title (fr)

Chemise de cylindre pour moteur à combustion interne et procédé de fabrication

Publication

**EP 0790397 B1 20010919 (DE)**

Application

**EP 97100662 A 19970117**

Priority

DE 19605946 A 19960217

Abstract (en)

[origin: US5829405A] A method of making a cylinder liner for an internal-combustion engine includes the steps of applying a liner material to an outer cylindrical surface of a mandrel by thermal spraying for forming a coherent cylindrical sleeve on the mandrel; and removing the cylindrical sleeve from the mandrel. The cylindrical sleeve constitutes the cylinder liner.

IPC 1-7

**F02F 1/20**; **F02B 77/02**

IPC 8 full level

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CPC (source: EP US)

**B22D 19/0009** (2013.01 - EP US); **B22D 19/08** (2013.01 - EP US); **B22D 23/003** (2013.01 - EP US); **F02B 77/02** (2013.01 - EP US); **F02F 1/20** (2013.01 - EP US); **Y10T 29/49272** (2015.01 - EP US)

Citation (examination)

- US 5110631 A 19920505 - LEATHAM ALAN [GB], et al
- DE 1282243 B 19681107 - LAUTERJUNG GUSTAV

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DE102009021067A1; DE102013221617A1; CN105484889A

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DOCDB simple family (publication)

**US 5829405 A 19981103**; AT E205913 T1 20011015; DE 19605946 C1 19970724; DE 59704627 D1 20011025; EP 0790397 A1 19970820; EP 0790397 B1 20010919

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