

Title (en)

Process for coating inner sliding surfaces of cylinders, especially aluminium surfaces

Title (de)

Verfahren zur Innenbeschichtung von Zylinder-Lauflächen, insbesondere Aluminium-Lauflächen

Title (fr)

Procédé de revêtement intérieur des surfaces de friction de cylindres, en particulier des surfaces en aluminium

Publication

EP 0834599 A1 19980408 (DE)

Application

EP 97116524 A 19970923

Priority

DE 19639480 A 19960926

Abstract (en)

Bearing surfaces of cylinders made of aluminium are coated by a process in which a laser beam is used to form an alloy with powder additives. Preferably a thin layer of the bearing surface is melted and the powdered material is added. Preferred additives are metal or metal - ceramic mixtures. Improves wear resistance of lightweight cylinders.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Innenbeschichtung von Zylinder-Lauflächen, insbesondere Aluminium-Lauflächen, das dadurch gekennzeichnet ist, daß in die Lauflächen pulverförmige Zusatzstoffe mittels Laserstrahlung legiert werden.

IPC 1-7

C23C 24/10

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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