

Title (en)

PROCESS FOR MANUFACTURING WEAR-RESISTANT RUNNING FACES OF COMBUSTION-ENGINE CYLINDERS

Publication

EP 0144817 A3 19850710 (DE)

Application

EP 84113675 A 19841113

Priority

DE 3343783 A 19831203

Abstract (en)

[origin: ES8600784A1] In order to prevent the formation of fissures or tears in the walls of cylinders of an internal combustion engine, hardening tracks (4) generated by a carbon dioxide laser, are placed parallel to each other at an angle of inclination (α) with respect to the axis (3) of the wall of the cylinder or cylinder liner, and spaced from each other by a distance (X) which is greater than twice the distance (k) between the maxima (9, 10) of tension resulting in the operation of the ICE from the edges of the hardening track, thereby satisfying the condition: X is greater than $2\alpha k$.

IPC 1-7

C21D 9/14; **C21D 1/09**

IPC 8 full level

F02F 1/00 (2006.01); **C21D 1/09** (2006.01); **C21D 1/70** (2006.01); **C21D 9/00** (2006.01); **C21D 9/08** (2006.01); **C21D 9/14** (2006.01); **F16J 10/04** (2006.01)

CPC (source: EP US)

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Citation (search report)

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