

Title (en)

PROCESS FOR INCREASING THE FATIGUE STRENGTH OF COMPONENT PARTS WITH VARIOUS FORMS

Publication

EP 0180855 B1 19890308 (DE)

Application

EP 85113475 A 19851023

Priority

DE 3438742 A 19841023

Abstract (en)

[origin: US4682489A] The fatigue strength of high stress areas of components of diverse shapes is increased by cold forming by clamping the component resiliently between a base and a clamp member urged resiliently toward the base, and impacting the component area with a complementary shaped reciprocative snap die driven by a percussion piston. Two diverging dies may be driven by the same percussion piston to impact two spaced component areas such as opposed fillets of a crankshaft throw.

IPC 1-7

C21D 7/04

IPC 8 full level

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