

Title (en)

An impulse torque generator for a hydraulic power wrench

Title (de)

Hydraulische Drehmomentimpulserzeugung

Title (fr)

Générateur hydraulique de couple à impulsion

Publication

EP 0676260 B1 19990217 (EN)

Application

EP 95302273 A 19950405

Priority

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- JP 8639395 A 19950317

Abstract (en)

[origin: EP0676260A1] Objective of the invention is to provide an impulse torque generator for hydraulic impulse torque wrench having a high energy efficiency, and low temperature increase of the hydraulic oil. The impulse generator comprising a liner (11,21,31,41), driven by a rotor, having inner cavity and at least four, or two pairs (2n) of seal surfaces around its inner surface, a main shaft (9) having at least two (n) projections on its surface mounted coaxially within the liner (11,21,31,41) and at least two (n) driving blades(14a,14b,24a,24b,34a,34b,44a,44b) generating impulse torque on the main shaft abutting the projections of the main shaft (9). (n is an integer greater than or equal to 2) <IMAGE>

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CPC (source: EP)

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Cited by

EP2425933A3; EP1223007A1; EP3450106A1; CN109421012A; US6708778B2; US11472007B2

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