

Title (en)

Apparatus for hydro-forming and its use

Title (de)

Innenhochdruck-Umformvorrichtung und Verwendung derselben

Title (fr)

Appareil d'hydroformage et son utilisation

Publication

EP 1329269 B1 20050209 (DE)

Application

EP 02405027 A 20020117

Priority

EP 02405027 A 20020117

Abstract (en)

[origin: EP1329269A1] A pressure converter includes a longitudinally coupled displacement body with different working surface areas. The displacement body operates with a stroke frequency and a pressure created on a primary side. The pressure can be converted into a higher pressure by the strokes of the pressure converter until an end pressure is reached on a secondary side. An Independent claim is also included for a workpiece forming process.

IPC 1-7

B21D 26/02; **B21C 37/29**

IPC 8 full level

B21C 37/29 (2006.01); **B21D 26/041** (2011.01)

CPC (source: EP US)

B21C 37/294 (2013.01 - EP US); **B21D 26/041** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

AT DE

DOCDB simple family (publication)

EP 1329269 A1 20030723; **EP 1329269 B1 20050209**; AT E288801 T1 20050215; CA 2416088 A1 20030717; DE 50202209 D1 20050317; JP 2003236630 A 20030826; US 2003133810 A1 20030717; US 6834522 B2 20041228

DOCDB simple family (application)

EP 02405027 A 20020117; AT 02405027 T 20020117; CA 2416088 A 20030113; DE 50202209 T 20020117; JP 2003001906 A 20030108; US 34701603 A 20030117