

Title (en)

Method and apparatus for deep drawing sheet metal plates

Title (de)

Verfahren und Vorrichtung zum Tiefziehen von Blechformteilen

Title (fr)

Procédé et appareil pour l'emboutissage profond de tôles

Publication

EP 1055465 A3 20010418 (DE)

Application

EP 00110779 A 20000520

Priority

DE 19923540 A 19990521

Abstract (en)

[origin: EP1055465A2] A deep drawing process in which formed sheet parts are locally annealed in the deep drawing press is new. An Independent claim is also included for a deep drawing press equipped with a heater (6) for carrying out the above proces

IPC 1-7

B21D 22/22; **B21D 37/16**; **B21D 22/20**

IPC 8 full level

B21D 22/20 (2006.01); **B21D 22/22** (2006.01); **B21D 24/16** (2006.01); **B21D 37/16** (2006.01)

CPC (source: EP)

B21D 22/20 (2013.01); **B21D 24/16** (2013.01)

Citation (search report)

- [XY] DE 2332287 A1 19750116 - WMF WUERTTEMBERG METALLWAREN
- [Y] EP 0916427 A1 19990519 - INST TECH PRECISION ENG [JP]
- [X] FR 2692504 A1 19931224 - LORRAINE LAMINAGE [FR]

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DE102004062896A1; DE102004062896B4; EP2524761A1; DE102011050383A1; DE102011050383B4

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