

Title (en)

Multi-stage deep-drawing forming apparatus with independently controlled stages

Title (de)

Mehrstufen-Tiefzieh-Umformautomat mit unabhängig gesteuerten Stufen

Title (fr)

Dispositif de formage per étirage profond à plusieurs étages commandés indépendamment

Publication

EP 1759780 B1 20081126 (DE)

Application

EP 06016380 A 20060804

Priority

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Abstract (en)

[origin: EP1759780A1] A high-performance deep-drawing multi-stage (2a, 2b, 2c) metal stamping and bending assembly has a rigid outer frame (1). Each stage has an upper and lower section supporting a tool (14-17) operated by an actuator (A) linked to a freely programmable electronic control unit (C).

IPC 8 full level

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CPC (source: EP)

B21D 22/20 (2013.01); **B21D 22/22** (2013.01); **B21D 24/005** (2013.01)

Cited by

LU102201B1; DE102019127116A1; CN111482510A; CN112719478A; WO2022084466A1

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DOCDB simple family (publication)

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