

Title (en)
UNDERDRIVE-TYPE PRESS

Title (de)
UNTERSETZUNGSPRESSE

Title (fr)
PRESSE A COMMANDE INFÉRIEURE

Publication
EP 2017071 A1 20090121 (EN)

Application
EP 07742935 A 20070508

Priority
• JP 2007059500 W 20070508
• JP 2006130815 A 20060509

Abstract (en)
[Object] An underdrive-type single action press capable of saving energy, saving space, and realizing high-precision formability in a well-balanced manner is provided. Particularly, a press capable of shortening a forming stroke, reducing overall height, exactly correcting the deflection of the slide or dies to improve adhesion of the dies to a workpiece, and realizing pressure equalization of a wrinkle holder is provided. [Means for Resolution] An underdrive-type press includes a forming press unit including a lower die located inside an annular wrinkle holder fixedly disposed on a bed, and a drive mechanism disposed within the bed to raise or lower a slide supporting the lower die, a slide raised or lowered by a drive mechanism loaded on the side of a crown, a die-clamping press unit including an upper die having a clamping portion pinching a workpiece in cooperation with the wrinkle holder at its peripheral edge, and a device applying a pressing force to the upper die from its back after the last stage of the descent of the slide of the die-clamping press unit and the upper die for improvements in forming precision.

IPC 8 full level
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Cited by
DE102010008255A1; ITMI20120197A1; DE102014112325A1; DE102014112325B4; DE102010037950A1; DE102010037950B4; DE102010060103A1; DE102010060103B4; US2014137755A1; US10000032B2; US10322443B2; WO2012062532A1

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DOCDB simple family (publication)
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