

Title (en)
Compound die assembly.

Title (de)
Verbundwerkzeug.

Title (fr)
Outillage composé.

Publication
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Application
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Priority
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Abstract (en)
A compound die assembly adapted to produce large-sized parts having a plurality of holes, complicated holes and/or lengthy holes wherein a blanking die (103) and a blanking punch (203) are made by wire-cut electro-discharge machining and are directly fixed onto a punch holder (101) and a die holder (201), respectively, a knockout plate (109) and a stripper plate (204) are also made by wire-cut electro-discharge machining and are fixed by hanger bolts onto the punch holder and the die holder through polyurethane rubbers (111, 206), respectively. Guide posts (30) are epsilon fixed to the punch holder and extends through the die holder downwardly. A mount (40) to be fixed onto the press bolster has a flat top surface on which the die holder is fixedly mounted and has a plurality of guide-post-receiving holes (401) in which coil springs (402) are contained to raise the guide posts received together with the punch holder. A plurality of load-supporting elements (50) are fixed onto the bottom surface of the die holder near slug clearance holes thereof.

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B21D 28/14; **B21D 37/20**

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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