

Title (en)
COMBINATION DIE AND DIE SUPPORT STRUCTURES

Publication
EP 0090621 A3 19850116 (EN)

Application
EP 83301693 A 19830325

Priority
US 36327482 A 19820329

Abstract (en)
[origin: EP0090621A2] The task of securing dies (26, 36) of a die set (24) to appropriate supports (15, 16) such as for example, the die shoes of a set of die shoes or to upper and lower platens (12) of a punch press so that the dies are in precise alignment can be simplified by utilising expandable diameter fasteners (48, 50) to secure the dies to the supports. Each fastener used is located within a hole (44) extending through one of the dies and within an aligned hole (46) in the adjacent support. The fasteners used are of such a character as to be capable of firmly securing the dies and the supports even if such holes of a set of such holes are of not precisely the same diameter. Preferably each die is secured in place utilising at least two of such fasteners.

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B21D 37/14

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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Designated contracting state (EPC)
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