

Title (en)
Bending punch and die set

Title (de)
Biegestempel- und Matrizensatz

Title (fr)
Ensemble de pliage poinçon et matrice

Publication
EP 2581145 A1 20130417 (EN)

Application
EP 12188020 A 20121010

Priority
US 201161545223 P 20111010

Abstract (en)
A punch and die set (10) includes a die (12) including two arms (14,16). The two arms (14,16) and a bottom (20) of the die (12) define a die channel (26). A punch (50) is sized to be received in the die channel (26). A rocker element (32,34) is movably secured to the die (12). A reduced frictional element (54,56) is movably secured to the rocker element (32,34). The rocker element (32,34) is movably secured to the die (12) so that the rocker element (32,34) pivots relative to the die (12) around a pivot point (82,86) between a centerline (40) of the die channel (26) and at or inside a first of the arms (14,16).

IPC 8 full level
B21D 5/02 (2006.01)

CPC (source: EP US)
B21D 5/01 (2013.01 - US); **B21D 5/0263** (2013.01 - EP US); **B21D 37/06** (2013.01 - US)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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