

Title (en)  
DRAWING DIE

Publication  
**EP 0099874 B1 19870520 (DE)**

Application  
**EP 83890111 A 19830705**

Priority  
AT 275882 A 19820715

Abstract (en)  
[origin: EP0099874A1] 1. A drawing die with a drawing core (4) having the drawing hole, preferably being in one piece, and having an outer envelope (42) which is for example cylindrical, which core is detachably inserted into an inner frame (2) having substantially conical outer faces (22), preferably being multiaxially symmetrical, and being divided into two or more sectors (20, 20a) substantially delimited by generatrices parallel to the tool axis and having a shoulder type projection (23) in the drawing direction and a slot (29, 30) extending in the direction of the axis (27), the inner frame (2) being arranged in turn in a substantially conically formed recess (18) of an outer frame (1), corresponding to its outer faces (22), characterised in that the outer envelope (42) of the drawing core (4), which is substantially cylindrical or polyhedrally prismatic, has a radius of the (42) or distances of the prism faces from the central axis (27) at least 3  $\mu$  m, more particularly 4-40  $\mu$  m, preferably 5-20  $\mu$  m, greater than the radius or the corresponding distances of the prism faces from the central axis (27) of the inner walls (21), made substantially cylindrical or polyhedrally prismatic, of the inner frame sectors (20, 20a) which are preferably interconnected by means of positional holding members (24, 25) and which have outer faces (22) substantially in the form of a truncated cone or pyramid and are arranged in a recess (18) of an outer frame (1) having an inner wall (11) formed substantially as a truncated cone or pyramid.

IPC 1-7  
**B21C 3/02**

IPC 8 full level  
**B21C 3/02** (2006.01); **B21C 3/12** (2006.01)

CPC (source: EP)  
**B21C 3/02** (2013.01); **B21C 3/12** (2013.01)

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