

Title (en)  
Adjustable die assembly

Title (de)  
Verstellbare Matrizenbaugruppen

Title (fr)  
Ensemble à matrices réglables

Publication  
**EP 0865840 A1 19980923 (EN)**

Application  
**EP 97200800 A 19970317**

Priority  
EP 97200800 A 19970317

Abstract (en)  
The invention relates to a die assembly for a sheet metal forming machine comprising a base plate (1) and two half die bodies (2,3) which are moveable with respect to each other to provide an adjustable die width (4) between jaws (5,6) borne by said half die bodies, said half die bodies being each obliquely moveable with respect to the centre plane (Y,Z) of the die assembly between said jaws (5,6), wherein a first half die body (2) is arranged on the base plate (1), linearly moveable according to an angle  $\alpha$  with respect to said centre plane (Y,Z), and a second half die body (3) is arranged on said first half die body (2) linearly moveable at an angle 2 times  $\alpha$  with respect to said centre plane (Y,Z). The base plate (1) and the half die bodies (2,3), in particular the back die body (1) and front die body (3), may be provided with cooperating obliquely arranged keys (7,10) and oblique slots (8,9; 11,12) allowing an oblique movement of the first half die body (2) with respect to the base plate (1) and of the first half die body (2) with respect to the second half die body (3). <IMAGE>

IPC 1-7  
**B21D 5/02**

IPC 8 full level  
**B21D 5/02** (2006.01)

CPC (source: EP)  
**B21D 5/0209** (2013.01); **B21D 5/0227** (2013.01)

Citation (search report)  
• [AD] WO 9409924 A1 19940511 - NYA URSVIKENS MEKANISKA VERKST [SE], et al  
• [A] US 4106323 A 19780815 - HAENNI EDUARD A, et al

Cited by  
EP1287916A3; CN102632156A; US6810710B2; WO2010099559A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0865840 A1 19980923**

DOCDB simple family (application)  
**EP 97200800 A 19970317**