

Title (en)

PROGRESSIVE DIE THAT ALLOWS TO LOCALIZE AND CONTROL OF THE STRETCHING OF A SHEET STEEL DURING FORMING OF A BRAKE PLATE

Title (de)

FOLGEWERKZEUG ZUM LOKALISIERUNG UND STEuern DES STRECKENS EINES METALBLECHES BEIM UMFORMEN EINER BREMSPLATTE

Title (fr)

OUTIL PROGRESSIVE POUR LOCALISER ET CONTRÔLER L'ÉTIRAGE D'UNE TÔLE PENDANT LE FORMAGE D'UNE PLAQUE DE FREINS

Publication

EP 3178580 B1 20201111 (EN)

Application

EP 16202736 A 20161207

Priority

IT UB20159824 A 20151211

Abstract (en)

[origin: EP3178580A1] A progressive die (100) that allows to localize and control the stretching of the sheet steel during forming of a brake plate, comprising: a central punch (2) fastened on a lower base of the die, in a way to be adjusted in height with shims; peripheral punches (3, 4) mounted on the lower base of the die, in a way to be individually adjusted in height with shims; and lateral punches (5, 6, 7, 8) mounted on the central punch (2) in a way to be individually adjusted in height with shims, regardless of the adjustment of the peripheral punches (3, 4).

IPC 8 full level

B21D 11/02 (2006.01); **B21D 22/22** (2006.01); **B21D 25/02** (2006.01); **B21D 53/34** (2006.01)

CPC (source: EP)

B21D 11/02 (2013.01); **B21D 22/22** (2013.01); **B21D 25/02** (2013.01); **B21D 53/34** (2013.01)

Cited by

CN114178408A; CN113145763A

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