

Title (en)

STRETCH FORMING DEVICE AND STRETCH FORMING METHOD

Title (de)

DEHNFORMUNGSVORRICHTUNG UND DEHNFORMUNGSVERFAHREN

Title (fr)

DISPOSITIF DE FORMAGE D'ÉTIREMENT ET PROCÉDÉ DE FORMAGE D'ÉTIREMENT

Publication

**EP 3586989 A4 20200422 (EN)**

Application

**EP 17927131 A 20170928**

Priority

JP 2017035357 W 20170928

Abstract (en)

[origin: EP3586989A1] The objective of the present invention is to reduce unevenness in an amount of deformation of a central portion and an end portion of an elongate material being formed. A stretch forming device (1) is provided with a die (2) and gripping portions (3) which grip both end portions of an elongate material (20), wherein: the cross-sectional shape of the die (2) has a curved shape in which a central side of a forming surface (6) bulges; the length in a longitudinal direction of the elongate material (20) is less than that of the forming surface (6); a second die (7) having a second forming surface (8) along the forming surface (6) is installed removably on a central portion of the forming surface (6); and the stretch forming device (1) has a first mode in which, when the second die (7) has been installed on the forming surface (6), only the second die (7) is pressed against the elongate material (20) while a tensile force is applied to the elongate material (20) by the grip portions (3), and a second mode in which, when the second die (7) has been removed from the forming surface (6), the die (2) is pressed against the elongate material (20) while a tensile force is applied to the elongate material (20) by the gripping portions (3).

IPC 8 full level

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Citation (search report)

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DOCDB simple family (application)

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