

Title (en)

FORMING TOOL, IN PARTICULAR A KNEADING TOOL

Title (de)

UMFORMWERKZEUG, INSBESONDERE KNETWERKZEUG

Title (fr)

OUTIL DE FAÇONNAGE, EN PARTICULIER OUTIL DE PÉTRISSAGE

Publication

**EP 2408577 B1 20121212 (DE)**

Application

**EP 10713307 A 20100318**

Priority

- EP 2010001700 W 20100318
- DE 102009013435 A 20090318
- DE 202009003703 U 20090318

Abstract (en)

[origin: WO2010105826A1] The invention relates to a forming tool, in particular a kneading tool, which has a base body (12'), in which at least one forming element (21) is disposed, inclined at a first angle of inclination (a1) to a central axis (M) of the deformation tool (12), which results in the determination of an inlet chamfer (S) of the forming element (12). According to the invention, it is provided that in the surface (21') of the forming element (21) running in an inclined manner below the first angle of inclination (a1) a recessed surface structure (22) is formed, which has at least one recess (23) with a trailing edge (23a), and that the trailing edge (23a) of said recess (23), related to the inlet chamfer (S) of the forming element (21) defined by the first angle of inclination (a1), has a second angle of inclination (a2), which is oriented towards the opposite direction with regard to the first angle of inclination (a1), and the absolute value thereof is larger than or equal to the absolute value of the first angle of inclination (a1).

IPC 8 full level

**B21J 7/14** (2006.01); **B21J 13/02** (2006.01)

CPC (source: EP KR US)

**B21J 7/14** (2013.01 - KR); **B21J 7/145** (2013.01 - EP US); **B21J 7/18** (2013.01 - KR); **B21J 13/02** (2013.01 - EP KR US)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010105826 A1 20100923**; AU 2010225136 A1 20111110; CN 102413959 A 20120411; CN 102413959 B 20140312; DK 2408577 T3 20130318; EP 2408577 A1 20120125; EP 2408577 B1 20121212; JP 2012520772 A 20120910; KR 20120004453 A 20120112; PL 2408577 T3 20130830; US 2012060577 A1 20120315

DOCDB simple family (application)

**EP 2010001700 W 20100318**; AU 2010225136 A 20100318; CN 201080018962 A 20100318; DK 10713307 T 20100318; EP 10713307 A 20100318; JP 2012500145 A 20100318; KR 20117024428 A 20100318; PL 10713307 T 20100318; US 201013257150 A 20100318