

Title (en)

DIE PARTICULARLY FOR ON-ROAD VEHICLE WHEELS

Title (de)

DAUERFORM, INSBESONDERE FÜR FAHRZEUGGRÄDER

Title (fr)

FILIERE SPECIFIQUE POUR DES ROUES DE VEHICULES ROUTIERS

Publication

EP 1420911 B1 20070321 (EN)

Application

EP 02758341 A 20020715

Priority

- EP 0207844 W 20020715
- IT PD20010208 A 20010828

Abstract (en)

[origin: WO03020459A2] A die (10) particularly for on/road vehicle wheels, of the type that comprises lower (11), upper (13) and lateral (14) die parts that form an impression to be filled with molten material, comprising at least two die filling points arranged at two openings of the design of a wheel (15) where the lower die part and the upper die part are in contact when the die is the closed configuration.

IPC 8 full level

B22D 1/00 (2006.01); **B22D 17/22** (2006.01); **B22C 9/06** (2006.01); **B22C 9/08** (2006.01); **B22C 9/28** (2006.01); **B22D 15/00** (2006.01); **B22D 17/00** (2006.01)

CPC (source: EP US)

B22C 9/088 (2013.01 - EP US); **B22C 9/28** (2013.01 - EP US); **B22D 15/005** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03020459 A2 20030313; **WO 03020459 A3 20031009**; AT E357301 T1 20070415; AU 2002325326 A1 20030318; CN 1277633 C 20061004; CN 1549754 A 20041124; DE 60219032 D1 20070503; DE 60219032 T2 20071122; EP 1420911 A2 20040526; EP 1420911 B1 20070321; ES 2283584 T3 20071101; IT PD20010208 A1 20030228; JP 2005501721 A 20050120; PL 366788 A1 20050207; US 2004194906 A1 20041007

DOCDB simple family (application)

EP 0207844 W 20020715; AT 02758341 T 20020715; AU 2002325326 A 20020715; CN 02817152 A 20020715; DE 60219032 T 20020715; EP 02758341 A 20020715; ES 02758341 T 20020715; IT PD20010208 A 20010828; JP 2003524755 A 20020715; PL 36678802 A 20020715; US 48534404 A 20040128