

Title (en)

METHOD FOR MANUFACTURING A STEEL VEHICLE WHEEL, AND STEEL VEHICLE WHEEL MANUFACTURED ACCORDINGLY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES STAHL-FAHRZEUGRADES UND ENTSPRECHEND HERGESTELLTES STAHL-FAHRZEUGRAD

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE ROUE DE VÉHICULE EN ACIER ET ROUE DE VÉHICULE EN ACIER AINSI FABRIQUÉE

Publication

EP 4126442 A1 20230208 (DE)

Application

EP 21718003 A 20210323

Priority

- DE 102020204310 A 20200402
- DE 2021100290 W 20210323

Abstract (en)

[origin: WO2021197542A1] The present invention relates to a method for manufacturing a steel vehicle wheel (3), the method comprising the following steps: - providing a first component, which corresponds to a rim (1), and a second component, which corresponds to a wheel disk (2); - thermally, integrally joining the first component and the second component in order to produce an assembled steel vehicle wheel (3). The invention also relates to a steel vehicle wheel (3), comprising a wheel rim (1) with a wheel disk (2) thermally, integrally joined to the wheel rim (1).

IPC 8 full level

B23K 26/348 (2006.01); **B21D 53/26** (2006.01); **B23K 26/32** (2006.01); **B23K 101/00** (2006.01); **B23K 103/04** (2006.01); **B60B 21/00** (2006.01);
C21D 1/18 (2006.01); **C21D 9/34** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01);
C22C 38/14 (2006.01); **C22C 38/16** (2006.01); **C22C 38/18** (2006.01); **C22C 38/38** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP)

B23K 26/32 (2013.01); **B23K 26/348** (2015.10); **B60B 3/02** (2013.01); **B60B 3/041** (2013.01); **C22C 38/02** (2013.01); **C22C 38/04** (2013.01);
C22C 38/06 (2013.01); **C22C 38/08** (2013.01); **C22C 38/14** (2013.01); **C22C 38/16** (2013.01); **C22C 38/18** (2013.01); **C22C 38/38** (2013.01);
C22C 38/58 (2013.01); **B21D 53/26** (2013.01); **B23K 2101/006** (2018.07); **B23K 2103/04** (2018.07); **B60B 2310/3026** (2013.01);
B60B 2360/102 (2013.01); **C21D 1/18** (2013.01); **C21D 9/34** (2013.01)

Citation (search report)

See references of WO 2021197542A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102020204310 B3 20210401; EP 4126442 A1 20230208; WO 2021197542 A1 20211007

DOCDB simple family (application)

DE 102020204310 A 20200402; DE 2021100290 W 20210323; EP 21718003 A 20210323