

Title (en)

METHOD OF MANUFACTURING A METAL VEHICLE WHEEL AND VEHICLE WHEEL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES METALLFAHRZEUGGRADS UND FAHRZEUGRAD

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE ROUE MÉTALLIQUE DE VÉHICULE ET ROUE DE VÉHICULE

Publication

**EP 2654984 A1 20131030 (EN)**

Application

**EP 11799373 A 20111219**

Priority

- EP 10016026 A 20101223
- EP 2011006409 W 20111219
- EP 11799373 A 20111219

Abstract (en)

[origin: WO2012084177A1] Method of manufacturing a metal vehicle wheel (10) comprising at least a circumferential rim and a disc, comprising a hot stamping step of hot stamping a metal blank into a wheel part (12) having a circumferential rim portion (16) and an integral disc portion (14) and a quenching step of quenching the hot stamped wheel part; and providing at least one other wheel part (20); and a welding step of at least partially circumferentially welding the wheel parts (12, 20) together.

IPC 8 full level

**B21D 53/26** (2006.01); **B21D 53/30** (2006.01); **B60B 3/08** (2006.01)

CPC (source: EP)

**B21D 53/30** (2013.01)

Citation (search report)

See references of WO 2012084177A1

Citation (examination)

DE 102007019485 A1 20081106 - BRAUN ELISABETH [DE]

Citation (third parties)

Third party :

- DE 102007019485 A1 20081106 - BRAUN ELISABETH [DE]
- EP 1143029 A1 20011010 - USINOR [FR]

Cited by

WO2019145032A1

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**EP 2011006409 W 20111219**; CN 201180066190 A 20111219; EP 11799373 A 20111219