

Title (en)

GEAR TOOTH PROFILE WITH TRANSITION ZONE BLENDING RELIEF

Title (de)

GETRIEBEZAHNPROFIL MIT ÜBERGANGSBEREICHS-MISCHRELIEF

Title (fr)

PROFIL DE DENT D'ENGRENAGE AYANT UN RELIEF DE MÉLANGE DE ZONES DE TRANSITION

Publication

EP 2805084 A1 20141126 (EN)

Application

EP 12844774 A 20121031

Priority

- US 201161553406 P 20111031
- US 2012062840 W 20121031

Abstract (en)

[origin: WO2013067039A1] A gear pair comprises a first gear having a first transition zone disposed between a first addendum and a first dedendum, the first transition zone defined between a first addendum transition point and a first dedendum transition point, the first addendum including a first convex portion defined by a first curve, and the first dedendum including a first concave portion defined by a second curve, the first dedendum further including a blending relief disposed between the first dedendum transition point and a blending point and defined by a third curve, wherein the second curve and the third curve are different and the slope and curvature of the second curve and the third curve are identical at the blending point.

IPC 8 full level

F16H 55/08 (2006.01); **F16H 55/10** (2006.01)

CPC (source: EP)

F16H 55/08 (2013.01)

Citation (search report)

See references of WO 2013067039A1

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

DOCDB simple family (publication)

WO 2013067039 A1 20130510; EP 2805084 A1 20141126

DOCDB simple family (application)

US 2012062840 W 20121031; EP 12844774 A 20121031