

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  
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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)

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Citation (search report)  
See references of WO 2013067039A1

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