

Title (en)  
All steel trimming

Title (de)  
Ganzstahlgarnitur

Title (fr)  
Garniture tout acier

Publication  
**EP 2489766 A3 20150311 (DE)**

Application  
**EP 12000874 A 20120210**

Priority  
CH 2832011 A 20110218

Abstract (en)  
[origin: EP2489766A2] The trimmer has trimming wire having teeth (21) at a negative operating angle, a back angle and a top surface having a tip surface angle. Another trimming wire includes teeth (31) at a positive operating angle and a back angle. The former teeth include the top surface angle that ranges from -15 degrees to +15 degrees, and a height (h1a) of the former trimming wire is smaller than 5 to 50 percent of height (h2b) of the latter trimmer wire. The teeth of the former wire include a pitch greater than that of the teeth of the latter wire, and a pitch of the trimmer wires ranges from 2 to 10 mm.

IPC 8 full level  
**D01G 15/88** (2006.01)

CPC (source: EP)  
**D01G 15/88** (2013.01)

Citation (search report)  
• [A] EP 0249706 A2 19871223 - STAEDTLER & UHL [DE]  
• [A] CN 101070646 A 20071114 - ZHU PENG [CN]

Cited by  
CN107889512A; EP3473754A1; WO2016193853A1; US10988863B2

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

DOCDB simple family (publication)  
**EP 2489766 A2 20120822; EP 2489766 A3 20150311; EP 2489766 B1 20160210**; CH 704510 A1 20120831; CN 102653892 A 20120905; CN 102653892 B 20161214; ES 2573752 T3 20160609

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**EP 12000874 A 20120210**; CH 2832011 A 20110218; CN 201210036178 A 20120217; ES 12000874 T 20120210