

Title (en)  
Grinding wheel for plunge-cut grinding.

Title (de)  
Schleifscheibe zum Tiefschleifen.

Title (fr)  
Meule de rectification en plongée.

Publication  
**EP 0336066 B1 19940713 (DE)**

Application  
**EP 89101782 A 19890202**

Priority  
DE 3811584 A 19880407

Abstract (en)  
[origin: EP0336066A2] The grinding wheel (2), which is intended in particular for plunge-cut grinding, has a first abrasive-layer part (5) which contains fine-grained diamonds as well as a further abrasive-layer part (9) which contains larger diamond grains. This grinding wheel can be a straight wheel as well as a cup wheel. Known embodiments of such grinding wheels either cannot obtain the required surface roughness or exhibit high wear, since they do not have a continuous high proportion of diamonds in the outer marginal area of the end face as protection against rounding-off of the outer edge. In order to remedy this, provision is made for the abrasive-layer part (9) to be provided with diamond grains of larger grading which are arranged in a single layer parallel to the axis of rotation of the straight wheel, the diamonds being arranged at right angles to the axis of rotation in several layers and being held in mutual contact in an electro-deposited bond (10). <IMAGE>

IPC 1-7  
**B24D 7/14**

IPC 8 full level  
**B24D 7/14** (2006.01)

CPC (source: EP US)  
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Cited by  
EP1637284A1; WO2019114871A1

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**EP 0336066 A2 19891011; EP 0336066 A3 19910522; EP 0336066 B1 19940713;** AT E108358 T1 19940715; DE 3811584 A1 19891019; DE 58908024 D1 19940818; US 5063714 A 19911112

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