

Title (en)  
WRENCH

Title (de)  
SCHRANBENSCHLÜSSEL

Title (fr)  
CLE

Publication  
**EP 0747173 A4 19960823 (EN)**

Application  
**EP 94913474 A 19940429**

Priority  
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Abstract (en)  
[origin: EP0747173A1] A new type of usable solid wrench are provided for various hexagonal fastening pieces. The solid wrench is convenient to use in narrow spaces without damaging corners of fastening pieces and slipping. The solid wrench has two working positions each angled relative to the other by an angle of  $\theta$  ranged from 10 to 22 degrees in the same rotating direction, the moving distance of the center of the two working positions along the center line of the wrench's open end is less than or equal to one third of the hexagonal workpiece's side length, all the bearing points are selected within the range of 0.55 - 0.85 of the corresponding hexagonal work piece's side length. Therefore, the new type of solid wrench is easy to be manufactured and has lower cost for its simple structure. <IMAGE>

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CPC (source: EP)  
**B25B 13/08** (2013.01); **B25B 13/46** (2013.01); **B25B 13/481** (2013.01)

Citation (search report)  
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• [A] US 3955450 A 19760511 - EVANS JAMES P  
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• See references of WO 9500297A1

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