

Title (en)  
Low-contamination impact tool for breaking silicon.

Title (de)  
Schlagwerkzeug mit geringer Verunreinigung zum Brechen von Silizium.

Title (fr)  
Outil de percussion à faible contamination pour casser le silicium.

Publication  
**EP 0539097 B1 19941130 (EN)**

Application  
**EP 92309423 A 19921015**

Priority  
US 78147691 A 19911023

Abstract (en)  
[origin: EP0539097A1] The present invention is a low-contamination impact tool especially useful for the breaking of semiconductor-grade silicon into pieces. The low-contamination impact tool comprises a core forming a handle portion (1) and a head portion (2), the head portion (2) contacting a tungsten carbide alloy striking element (4). The core is encapsulated in a synthetic resin material (3). The preferred synthetic resin is urethane.  
<IMAGE>

IPC 1-7  
**B25D 1/02**

IPC 8 full level  
**B25D 1/02** (2006.01); **H01L 21/301** (2006.01)

CPC (source: EP KR)  
**B25D 1/02** (2013.01 - EP); **B25D 9/00** (2013.01 - KR); **B25D 2222/51** (2013.01 - EP); **B25D 2222/69** (2013.01 - EP)

Cited by  
EP2141121A1; WO2021037366A1; GB2384741A; CN111727107A; EP3760384A4; EP1338682A3; EP1553214A3; EP2030737A3; CN114127011A; DE102012204050A1; US2014037959A1; US9266741B2; DE102012204050B4; US6874713B2; US7950308B2; WO2007101666A3; US11794330B2; US7694903B2; US8118248B2; TWI777037B; US7270706B2

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