

Title (en)  
Hand riveting tool for blind rivets

Title (de)  
Hand-Blindnietzange

Title (fr)  
Outil de rivetage à main pour rivets aveugles

Publication  
**EP 0940203 A3 20001004 (DE)**

Application  
**EP 99104126 A 19990302**

Priority  
DE 19809354 A 19980305

Abstract (en)  
[origin: EP0940203A2] The tongs have two grip levers (3,4) and traction element (10). A connecting rod drive (7) with variable transmission ratio is positioned between the traction element and the first grip lever. The ratio drops continuously from an initial position, in which the first lever is at maximum distance to the second lever, and an end position, in which the first lever is close to the second one. The drive has a pivoted intermediate lever, connected to the traction element.

IPC 1-7  
**B21J 15/38**

IPC 8 full level  
**B21J 15/04** (2006.01); **B21J 15/38** (2006.01)

CPC (source: EP US)  
**B21J 15/043** (2013.01 - EP US); **B21J 15/326** (2013.01 - EP US); **B21J 15/386** (2013.01 - EP US); **Y10T 29/5373** (2015.01 - EP US)

Citation (search report)

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- [AD] DE 3124648 A1 19830105 - NIHON NEJIMAWASHI CO [JP]
- [A] US 3190104 A 19650622 - PAUL ANTHONY

Cited by  
EP2520254A1; WO2012150145A1; US9301852B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0940203 A2 19990908; EP 0940203 A3 20001004; DE 19809354 A1 19990909; US 6021553 A 20000208**

DOCDB simple family (application)  
**EP 99104126 A 19990302; DE 19809354 A 19980305; US 25742499 A 19990225**