

Title (en)  
Knife with bolster obtained by upset forging

Title (de)  
Messer mit stauchgeschmiedetem Messerkropf

Title (fr)  
Couteau à mitre obtenu par refoulage-forgeage

Publication  
**EP 1688224 B1 20080227 (DE)**

Application  
**EP 06001783 A 20060128**

Priority  
DE 102005005640 A 20050205

Abstract (en)  
[origin: EP1688224A1] The knife with an upset-forged finger guard (18) has the blade (22), the finger guard and the handle (24) constructed in one piece. The knife has several material layers, and this in the form of multi-layered steel. At least one layer has a high hardness which is 54 to 70 HRC, and preferably in the region of 66 HRC. The hardened layer may be hardened steel with a carbon portion of between 0.5 and 2 per cent. The material layer with a higher hardness is installed centrally in a core region. An independent claim is included for a method for the manufacture of a knife with a finger guard which is formed by an upset-forging stage.

IPC 8 full level  
**B26B 3/00** (2006.01); **B21J 5/08** (2006.01); **B21K 11/02** (2006.01)

CPC (source: EP KR US)  
**B21J 5/08** (2013.01 - EP KR US); **B21K 11/02** (2013.01 - EP KR US); **B26B 3/00** (2013.01 - EP KR US)

Cited by  
DE102008058125A1; CN106891135A; DE102006042658A1; EP2226135A1; DE102010046972A1; WO2008031475A1

Designated contracting state (EPC)  
DE ES FR GB IT

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