

Title (en)

SOCKET FALLING PREVENTION DEVICE FOR IMPACT TOOL

Title (de)

VORRICHTUNG ZUR VERHINDERUNG DES ABFALLENS EINER STECKDOSE FÜR EIN SCHLAGWERKZEUG

Title (fr)

DISPOSITIF DE PRÉVENTION DE CHUTE DE DOUILLE POUR OUTIL À PERCUSSION

Publication

EP 4375013 A1 20240529 (EN)

Application

EP 22208807 A 20221122

Priority

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Abstract (en)

The present invention provides a socket falling prevention device for an impact tool, the impact tool comprising a housing, with an anvil being provided in a protruding manner in front of the housing, and a socket being removably mounted on the anvil; the socket falling prevention device comprises at least one connecting member, for connecting the socket to a non-rotating portion of the impact tool by axial shape-fitted fixing to prevent the socket from falling off. Using the socket falling prevention device according to the present invention, the socket is fixedly connected directly to the non-rotating portion of the impact tool in the axial direction by means of the connecting member, rather than to the anvil, so the strength of the anvil will not be affected. Furthermore, the axial fixed connection by form fit will not hinder normal operation of the socket and ensures a fixed connection between the socket and impact tool in the axial direction, effectively preventing the socket from falling off the anvil of the impact tool.

IPC 8 full level

B25B 1/00 (2006.01); **B25B 21/02** (2006.01)

CPC (source: EP)

B25B 21/02 (2013.01); **B25B 23/0035** (2013.01)

Citation (search report)

- [XAI] EP 2517833 A1 20121031 - MAKITA CORP [JP]
- [A] EP 2614926 A1 20130717 - MAKITA CORP [JP]
- [A] WO 9002634 A1 19900322 - NICKIPUCK MICHAEL F [US]

Designated contracting state (EPC)

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DOCDB simple family (application)

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