

Title (en)  
A RETHREADING TOOL.

Title (de)  
GEWINDESCHNEIDWERKZEUG.

Title (fr)  
OUTIL A REFILETER.

Publication  
**EP 0312538 A4 19891222 (EN)**

Application  
**EP 87904372 A 19870702**

Priority  
AU PH672286 A 19860703

Abstract (en)  
[origin: WO8800103A1] A rethreading tool (2) for cutting new threads, restoring damaged threads or cleaning dirty or corroded threads, particularly the damaged threads of an internally threaded bore (28) having some damage threads (32) and some undamaged threads (34) where the damage threads (32) are closer to the opening of the bore (28) than the undamaged threads (34) comprising in one embodiment a plurality of fingers (12) regularly arranged around a main body (4) to form a variable diameter cylinder, said fingers (12) being provided with thread cutting formations (14) at their respective distal ends and being resiliently connected to the main body (4) at their respective proximal ends so that the fingers (12) are capable of movement between a retracted position in which the fingers are spaced relatively closer together and an operative position in which the fingers are spaced relatively further apart in accordance with corresponding movement of an operating means (6) so that the thread cutting formations (14) of the fingers (12) when in the retracted position may be inserted into the threaded bore (28) until the formations (14) alignedly mesh with the undamaged threads (34) and upon rotation of the tool (2) to unscrew it from the bore (28) the thread cutting formations (14) when in the operative position restore the damaged threads, the undamaged threads (34) assisting in accurately locating the tool (2) within the bore (28) so that the damaged threads are restored to form a single helical thread continuously with the undamaged threads (34).

IPC 1-7  
**B23G 5/06; B23G 5/08; B23G 5/14; B23G 5/16**

IPC 8 full level  
**B23G 5/06** (2006.01); **B23G 9/00** (2006.01)

CPC (source: EP)  
**B23G 9/009** (2013.01)

Citation (search report)  
• [XP] US 4661028 A 19870428 - SANGER LEON A [US]  
• [X] DE 2741790 A1 19790329 - SCHERER ERICH  
• [X] US 2616103 A 19521104 - STECHER HENRY D  
• [X] US 2522655 A 19500919 - WARREN FREDERICK H  
• See references of WO 8800103A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**WO 8800103 A1 19880114**; EP 0312538 A1 19890426; EP 0312538 A4 19891222; JP H01503128 A 19891026

DOCDB simple family (application)  
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