

Title (en)  
THREAD COUPLING

Title (de)  
SCHRAUBVERBINDUNG

Title (fr)  
RACCORD FILETE

Publication  
**EP 0771388 A1 19970507 (EN)**

Application  
**EP 95926562 A 19950713**

Priority  
• SE 9500852 W 19950713  
• SE 9402517 A 19940719

Abstract (en)  
[origin: WO9602729A1] Thread coupling for percussive drilling including at least one male thread (10), arranged on a spigot (11), and one female thread (17), arranged within a sleeve. The threads are cylindrical and include an external stop surface (20) at a free end of the sleeve, and a contact surface (14) on the spigot. Further, they include an internal stop surface (21) in the sleeve, and an end surface (16) on the free end of the spigot. Initially, there is a play ( delta ) between the end surface (16) of the spigot and the internal stop surface (21) of the sleeve, this initial play being eliminated after wearing-in of the thread coupling. By increasing the pitch angle ( alpha ) of the threads (19, 17), a less tightening coupling is achieved, that due to the shoulder-bottom stop, still has an acceptable length of life.

IPC 1-7  
**E21B 17/042**

IPC 8 full level  
**E21B 17/042** (2006.01); **F16L 15/02** (2006.01)

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See references of WO 9602729A1

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