

Title (en)  
THREAD AND GEAR MILLING MACHINE

Title (de)  
GEWINDE- UND WAELEZFRÄSEMASCHINE

Title (fr)  
MACHINE A FILETER ET A FRAISER PAR DEVELOPPANTE

Publication  
**EP 1781442 A1 20070509 (DE)**

Application  
**EP 05772012 A 20050713**

Priority  
• EP 2005053349 W 20050713  
• CH 12542004 A 20040726

Abstract (en)  
[origin: WO2006010708A1] The invention relates to a thread and gear milling machine (1), characterised by the following features: a first rotational axis (X1) for a thread cutter (2), a second rotational axis (Y1) for a gear cutter (3), a spindle (61), for rotating a workpiece (6) about a third axis (X), whereby the thread cutter and the gear cutter are fixed to a common module (5) and driven in rotation by a common motor (50). Said module (5) may be pivoted between at least one first (A) and at least one second machining position (B), such that in said first machining position (A), said first rotational axis (X1) forms an angle (a) to said third rotational axis (X), in order to machine the workpiece (6) with said thread cutter (2) and said second rotational axis (Y1) may be pivoted about an angle (a) to permit machining of said workpiece (6) in said second machining position (B) with said gear cutter (3).

IPC 8 full level  
**B23C 3/32** (2006.01); **B23F 5/20** (2006.01); **B23G 1/32** (2006.01)

CPC (source: EP)  
**B23C 3/32** (2013.01); **B23F 5/20** (2013.01); **B23F 17/006** (2013.01); **B23G 1/32** (2013.01)

Citation (search report)  
See references of WO 2006010708A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006010708 A1 20060202**; EP 1781442 A1 20070509

DOCDB simple family (application)  
**EP 2005053349 W 20050713**; EP 05772012 A 20050713