

Title (en)

GRINDING WHEEL FOR PRODUCING EXTERNAL OR INTERNAL BALL THREADS ON WORKPIECES

Title (de)

SCHLEIFSCHEIBE ZUR ERZEUGUNG VON AUSSEN-ODER INNEN-KUGELGEWINDEN AN WERKSTÜCKEN

Title (fr)

MEULE POUR PRODUIRE DES FILETAGES A BILLES MALES OU FEMELLES SUR DES PIECES A USINER

Publication

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Application

EP 05762982 A 20050713

Priority

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- DE 102004034542 A 20040716

Abstract (en)

[origin: WO2006008258A1] Disclosed is a grinding wheel (1) for producing external or internal ball threads (3) on workpieces (2), particularly ball screw shafts or ball screw nuts for motor vehicle steering systems. Said grinding wheel (1) comprises a grinding element (4) whose outer contour is adapted to the ball thread (3) that is to be produced. The grinding element (4) is provided with at least two stages (5, 7) which are adapted to the ball thread (3) that is to be produced. A first stage (5) has a smaller diameter and is used for pre-machining the workpieces (2) while another stage (7) has a greater diameter and is used for finishing the workpieces (2).

IPC 8 full level

B24B 19/02 (2006.01); **B24D 5/00** (2006.01)

CPC (source: EP)

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CN111531416A; EP3243601A1; ITUA20163255A1

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