

Title (en)  
BURNISHING ROLLER HEAD

Title (de)  
FESTWALZROLLENKOPF

Title (fr)  
TETE DE CYLINDRES DE LAMINAGE

Publication  
**EP 1827760 B1 20081015 (DE)**

Application  
**EP 04803534 A 20041204**

Priority  
EP 2004013824 W 20041204

Abstract (en)  
[origin: WO2006058557A1] The invention relates to a burnishing roller head (10) for burnishing radii (28) or recesses which respectively laterally define the bearing seats of main and lifting journals (3, 4) of crankshafts (1) for motors of motor vehicles. Two disk-shaped and cylindrical burnishing rollers (11, 12) with the same diameter and approximately the same width are arranged parallel and at a mutual distance from each other in the housing (9) of the burnishing roller head (10) and are mounted in such a way that they can rotate about a common horizontal rotational axis (18) in the housing (9) of the burnishing roller head (10). Said burnishing rollers (11, 12) respectively comprise, on the outer peripheral edges (22) thereof opposing each other, a rotating rounded projection (21) which enlarges the diameter of the respective burnishing roller (11, 12) by a pre-determined measure (24), the axial width of the burnishing roller (11, 12) extending simultaneously over a section of the projection close to the edge.

IPC 8 full level  
**B24B 39/04** (2006.01); **B24B 5/42** (2006.01)

CPC (source: EP US)  
**B24B 5/42** (2013.01 - EP US); **B24B 39/04** (2013.01 - EP US)

Cited by  
CN102601573A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 2006058557 A1 20060608**; CA 2590444 A1 20060608; CN 101072659 A 20071114; DE 502004008300 D1 20081127;  
EP 1827760 A1 20070905; EP 1827760 B1 20081015; US 2008209969 A1 20080904

DOCDB simple family (application)  
**EP 2004013824 W 20041204**; CA 2590444 A 20041204; CN 200480044536 A 20041204; DE 502004008300 T 20041204;  
EP 04803534 A 20041204; US 79226607 A 20070907