

Title (en)
DEEP ROLLING ROLLER HEAD OF A DEEP ROLLING TOOL

Title (de)
FESTWALZROLLENKOPF EINES FESTWALZWERKZEUGS

Title (fr)
TETE DE ROULEAU DE CYLINDRAGE D'UNE MACHINE A CYLINDRER

Publication
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Application
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Priority

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Abstract (en)
[origin: WO03090972A1] The invention relates to a hard-rolling roller head (1) pertaining to a hard-rolling tool for hard-rolling radii or recesses (22) on the main and lifting bearing journals of crankshafts (21). Said roller head comprises a housing (2) in which one or two hard-rolling rollers (4) are rotatably guided in a removable manner in a roller cage (5), at a lateral distance from each other with little play. Said roller cage (5) is fixed on the lower side (3) of the housing (2) which faces the crankshaft (21), by means of pins (15) which respectively support the roller cage (5) on its front sides (10) opposing the hard-rolling rollers (4), and simultaneously laterally guide the same. The housing (2) is respectively provided with a projection (11, 12) on both ends of its lower side (3) facing the crankshaft (21), for supporting the roller cage (5). Pins (15) are provided as fixing and guiding elements for the roller cage (5) and engage in the same (5).

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WO 03090972 A1 20031106; AU 2003206907 A1 20031110; AU 2003224125 A1 20031110; DE 10318766 A1 20031113; DE 10318766 B4 20090312; DE 50302066 D1 20060202; DE 50302606 D1 20060504; EP 1499475 A1 20050126; EP 1499475 B1 20051228; EP 1499476 A1 20050126; EP 1499476 B1 20060308; US 2005066700 A1 20050331; US 2006150700 A1 20060713; US 7100412 B2 20060905; US 7168278 B2 20070130; WO 03090971 A1 20031106

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