

Title (en)
GRINDING WHEEL FOR A CUTTING CHAIN

Title (de)
SCHLEIFSCHEIBE FÜR EINE SÄGEKETTE

Title (fr)
MEULE POUR CHAÎNE COUPANTE

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Application
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Abstract (en)
[origin: WO2007050006A1] The invention relates to a grinding wheel arranged for simultaneous grinding of a cutting link's cutting tooth (6) and the associated depth limiter (7) in a cutting chain, the grinding wheel comprising a circular disc-shaped body (2) having a central bore (3) by which the grinding wheel is mountable to a shaft driven for rotation, the grinding wheel further having a first grinding surface (4) which is effective for grinding a cutting edge of the cutting tooth, the first grinding surface being applied circumferentially on one side of the grinding wheel and near the periphery thereof, characterized by a second grinding surface (5) associated with the first grinding surface and effective for adjustment of the height of the depth limiter (7), said second grinding surface being arranged to face radially outwards on the opposite side of the grinding wheel at a distance within the periphery of the grinding wheel which sets a difference in height (?h) between the cutting tooth and the depth limiter, said second grinding surface having an axial length corresponding at least to the cutting tooth's potential grinding length (L), and said second grinding surface additionally running concentrically about the grinding wheel axis (A) to extend, in relation to the shaft, in a direction which secures the maintenance of the height difference (?h) between the cutting tooth (6) and the depth limiter (7) in spite of the decreasing height of the cutting tooth during grinding, wherein said direction is determined by the inclination which is applied to the axis (a) for grinding the subject cutting tooth, with respect to an outer plane (O) of the subject cutting tooth.

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