

Title (en)

TRANSPORTING ROLLER FOR ADVANCING WORKPIECES MADE OF WOOD, PLASTIC AND THE LIKE

Title (de)

TRANSPORTWALZE FÜR DEN VORSCHUB VON WERKSTÜCKEN AUS HOLZ, KUNSTSTOFF UND DERGLEICHEN

Title (fr)

ROULEAU DE TRANSPORT POUR L'AVANCEMENT DE PIÈCES EN BOIS, PLASTIQUE ET ANALOGUE

Publication

**EP 2585261 A1 20130501 (DE)**

Application

**EP 11725632 A 20110607**

Priority

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- EP 2011002770 W 20110607

Abstract (en)

[origin: WO2011160770A1] The transporting roller (1) has teeth (6) arranged in a distributed manner over the circumference. To allow a high advancing force to be achieved with the transporting roller (1) at the same time as an only low pressing force over a long operating time and service life, at least some of the teeth (6) comprise a main tooth (7) and at least one secondary tooth (9), which is arranged at a distance from the main tooth and has a smaller tooth tip radius (r2) than the main tooth (7). With the secondary teeth (9), there is an additional transfer of force exerted on the workpiece (2). The secondary teeth (9) limit the depth of penetration of the main teeth (7). When there is a high pressing pressure, the secondary teeth (9) penetrate partially into the workpiece (2). The main and secondary teeth (7, 9) penetrate only slightly into the workpiece (2), and so only a small amount of material has to be removed to eliminate any markings.

IPC 8 full level

**B27B 25/02** (2006.01); **B65G 39/07** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011160770A1

Citation (examination)

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