

Title (en)
DRIVE DISK FOR HIGH PERFORMANCE FRICTION PAIRINGS

Title (de)
TREIBSCHEIBE FÜR HOCHLEISTUNGSREIBPAARUNGEN

Title (fr)
POULIE MOTRICE POUR COUPLES FROTTANTS A HAUTE CAPACITE

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Application
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Abstract (en)
[origin: WO03076324A1] The invention relates to a novel structure for drive disks, especially drive disks used in elevators for wire and cable drives and the like, comprising a drive disk wheel body (1), a drive disk crown (2) and grooves (3) made on the outside in said crown (2) for guiding cables in a special embodiment. The novel drive disk enables power to be transmitted in an improved manner. The invention is characterised in crown segments (5) which are located at a distance from each other and are embodied in the form of segments of the groove track which are made of the same or different material and high-powered magnets are introduced in between the grooves in the drive disk crown (2) and the cable along the peripheral line of the drive disk crown (2) or a special construction. Foamed steel or fibre composite ceramics or similar, respectively with increased friction values, are used as materials for the crown segments (5). The drive disk crown, as opposed to the crown segments, can be fully manufactured from the above-mentioned materials and the high-power magnet inlays can be directly introduced therein.

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