

Title (en)  
Elevator rope pulley

Title (de)  
Aufzugseilrolle

Title (fr)  
Poulie de câble d'ascenseur

Publication  
**EP 2684831 A1 20140115 (EN)**

Application  
**EP 12176349 A 20120713**

Priority  
EP 12176349 A 20120713

Abstract (en)  
The invention refers to an elevator rope pulley comprising a rotation center, a hub (12), a pulley body (15) surrounding the hub and a rim (16) surrounding the pulley body and containing rope grooves (18) along its circumference, each groove having groove edges (34) and a groove bottom (28), whereby the material of the pulley body is harder than the material of the rim, and wherein the outer surface (24) of the pulley body is corrugated along its circumference, which outer surface builds the boundary surface to the rim, whereby the corrugation profile (24a-d) of the corrugated outer surface comprises in radial direction positive sections (26) or elevations and negative sections (30) or recesses, characterized in that the positive sections are radially aligned with the groove bottom (28) of the grooves. This pulley generates less noise in operation.

IPC 8 full level  
**B66B 15/02** (2006.01); **B66B 15/04** (2006.01)

CPC (source: EP)  
**B66B 15/02** (2013.01); **B66B 15/04** (2013.01)

Citation (applicant)  
EP 1339629 A1 20030903 - KONE OYJ KONE CORP [FI]

Citation (search report)  
• [X] US 4465161 A 19840814 - OHTA KAZUTOSHI [JP], et al  
• [AD] EP 1339629 A1 20030903 - KONE OYJ KONE CORP [FI]  
• [A] JP S59195248 U 19841225

Cited by  
WO2020234172A1; CN113767061A; AU2020280950B2; EP3611125A1; CN110835036A; US10773929B2; US10766746B2; US11254544B2; US11952240B2

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