

Title (en)  
Traction sheave arrangement

Title (de)  
Treibscheibenanordnung

Title (fr)  
Dispositif de poulie de traction

Publication  
**EP 2829498 A1 20150128 (EN)**

Application  
**EP 13178202 A 20130726**

Priority  
EP 13178202 A 20130726

Abstract (en)  
Elevators are operated with ropes arranged to grooves of a traction sheave. The traction sheave is connected to a motor and the traction sheave has friction high enough so that when the traction sheave rotates the elevator and counterweight move according to the rotation. The friction in traction sheave may be improved by using specific shapes in the rope contact surface in grooves of the traction sheave. The shape of the groove is divided into contact surface for increasing the friction, outer surface for minimizing the space requirement outside the contact surface and bottom of the groove.

IPC 8 full level  
**B66B 15/04** (2006.01); **F16H 55/50** (2006.01)

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

Citation (applicant)

- GB 139735 A 19200311 - OTIS ELEVATOR CO
- EP 2020398 A1 20090204 - ORONA S COOP [ES]

Citation (search report)

- [XY] WO 2008061492 A1 20080529 - WIDMANN MANUELA [DE]
- [XY] DE 138813 C
- [XY] DE 41165 C
- [XYI] US 1796875 A 19310317 - PETER RADT WILHELM
- [Y] GB 2076928 A 19811209 - MITSUBISHI ELECTRIC CORP
- [Y] DE 1280518 B 19681017 - ALOIS KASPER HEBEZEUGFABRIK
- [Y] EP 0884267 A2 19981216 - WITTUR AUFZUGTEILE GMBH & CO [DE]

Cited by  
US10941021B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2829498 A1 20150128**

DOCDB simple family (application)  
**EP 13178202 A 20130726**