

Title (en)
KOEPE HOIST

Title (de)
KOEPE-HEBEZEUG

Title (fr)
TREUIL KOEPE

Publication
EP 3738915 A1 20201118 (EN)

Application
EP 20174306 A 20200513

Priority

- CN 201920697815 U 20190515
- CN 201910406973 A 20190515
- CN 201910406954 A 20190515
- CN 201920697814 U 20190515

Abstract (en)
Disclosed is a Koepe hoist, including a friction drum (100), a main shaft device (200), a driving device (300), a braking mechanism (400) and at least one hoisting composite belt (500). Each hoisting composite belt (500) includes a polymer composite layer (510), and a plurality of steel or fiber ropes (520) embedded in the polymer composite layer (510). At least one limit groove (110) is formed in a circumferential direction of the friction drum (100), and a corner formed by a side surface (111) and a bottom surface (112) of the limit groove (110) has an angle of 110° to 150° and is rounded off.

IPC 8 full level
B66B 7/06 (2006.01); **B66B 15/04** (2006.01); **D07B 1/22** (2006.01)

CPC (source: EP US)
B66B 7/062 (2013.01 - EP); **B66B 15/04** (2013.01 - EP US); **D07B 1/22** (2013.01 - EP US); **D07B 2501/2007** (2013.01 - EP)

Citation (search report)

- [X] WO 2018166978 A1 20180920 - INVENTIO AG [CH]
- [YA] GB 2162283 A 19860129 - BLACKS EQUIP LTD [GB]
- [Y] CN 103159116 B 20150819
- [Y] WO 2018131203 A1 20180719 - MITSUBISHI ELECTRIC CORP [JP]

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

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