

Title (en)
ELEVATOR DEVICE

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
DISPOSITIF ELEVATEUR

Publication
EP 1308411 A1 20030507 (EN)

Application
EP 00927821 A 20000522

Priority
JP 0003240 W 20000522

Abstract (en)

A known traction type elevator apparatus, in which a hoist gear is arranged in a pit portion below a hoist way, is defective in that when water comes into the hoist way, the hoist gear is submerged in water and hence it becomes necessary to replace the submerged hoist gear with a new one. Otherwise, in order to make it possible to reuse the submerged hoist gear, it is required to provide a completely water-proof type hoist gear in advance, thus giving rise to a problem of increased production costs. In addition, if the hoist gear is arranged at too high a location, there would arise another problem in that the life time of the rope is shortened. The present invention is intended to obviate the problems as referred to above, and the life time of the hoist rope is ensured by arranging the hoist gear in the hoist way at a location above a surface of the lowermost floor in such a manner that the rope wrapped around a traction sheave of the hoist gear does not reach two or more return wheels arranged on a cage side and a weight side of the traction sheave. <IMAGE>

IPC 1-7
B66B 7/06; B66B 11/08

IPC 8 full level
B66B 7/06 (2006.01); **B66B 11/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)
B66B 11/0045 (2013.01); **B66B 11/008** (2013.01)

Cited by
EP1911714A1

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 1308411 A1 20030507; EP 1308411 A4 20060510; EP 1308411 B1 20110518; CN 1206152 C 20050615; CN 1361746 A 20020731; DE 60043599 D1 20100204; EP 1911714 A1 20080416; EP 1911714 B1 20091223; JP 4896339 B2 20120314; WO 0189976 A1 20011129

DOCDB simple family (application)
EP 00927821 A 20000522; CN 00810683 A 20000522; DE 60043599 T 20000522; EP 08000356 A 20000522; JP 0003240 W 20000522; JP 2001586172 A 20000522