

Title (en)
BUFFER OF ELEVATOR

Title (de)
PUFFER FÜR AUFZUG

Title (fr)
AMORTISSEUR D'ASCENSEUR

Publication
EP 2088111 A4 20130821 (EN)

Application
EP 06833448 A 20061128

Priority
JP 2006323644 W 20061128

Abstract (en)
[origin: EP2088111A1] Provided is a buffer of an elevator that enables the height dimension of the whole buffer to be shortened while ensuring a equivalent stroke, enables the cost to be reduced by the shortening of the total height of the buffer, and enables assemblability and installability to be improved. The buffer includes a base cylinder and plungers of a plurality of stages. Each of the plungers is provided with a return coil spring that returns each of the compressed plungers to an elongated condition before compression. A return coil spring that returns a plunger entering the base cylinder has a large diameter and is disposed on the outer side of the plunger between an upper portion of the plunger and an upper portion of the base cylinder. Another return coil spring that returns an upper-stage plunger entering a lower-stage plunger has a small diameter and is disposed on the inner side of the lower-stage plunger between a bottom portion of the upper-stage plunger and a bottom portion of the lower-stage plunger. When each of the plungers is in an elongated condition, on the inner side of the large-diameter return coil spring, there is disposed the other small-diameter return coil spring.

IPC 8 full level
B66B 5/28 (2006.01)

CPC (source: EP KR)
B66B 5/28 (2013.01 - EP KR)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2008065706A1

Cited by
EP2733106A1; US9517919B2; WO2014079673A1

Designated contracting state (EPC)
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