

Title (en)  
MULTISTAGE LIFTING SYSTEM AND METHOD

Title (de)  
MEHRSTUFIGES HEBESYSTEM UND VERFAHREN

Title (fr)  
SYSTÈME ET PROCÉDÉ DE LEVAGE À ÉTAGES MULTIPLES

Publication  
**EP 4389688 A1 20240626 (EN)**

Application  
**EP 22215908 A 20221222**

Priority  
EP 22215908 A 20221222

Abstract (en)  
A lifting system (200, 200') for vertically lifting a load (300, 300') in two stages, the system (200, 200') comprising: a first rope (210, 210') for connecting to the load (300, 300') to be lifted; a first rope pulling mechanism (230, 230') configured to selectively pull the first rope (210, 210') in and selectively hold the first rope (210, 210'); a vertically moveable sheave (220, 220'); and a sheave lifting apparatus (400, 400') configured to lift the vertically moveable sheave (220, 220'); wherein in use the first rope (210, 210') passes over the vertically moveable sheave (220, 220') between the first rope pulling mechanism (230, 230') and the load (300, 300'); such that in use the first rope pulling mechanism (230, 230') can be used to lift the load (300, 300') in a first stage by pulling the first rope (210, 210') in, and then hold the first rope (210, 210') such that the sheave lifting apparatus (400, 400') can lift the vertically moveable sheave (220, 220') to spool the first rope (210, 210') over the vertically moveable sheave (220, 220'), thereby lifting the load (300, 300') in a second stage.

IPC 8 full level  
**B66F 11/00** (2006.01); **B63B 27/08** (2006.01); **B63B 27/16** (2006.01); **B66F 19/00** (2006.01)

CPC (source: EP)  
**B66F 19/00** (2013.01); **B63B 27/16** (2013.01)

Citation (search report)  
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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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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