

Title (en)  
A SPREADER FOR LIFTING A LOAD

Title (de)  
SPREIZER ZUM HEBEN EINER LAST

Title (fr)  
PALONNIER POUR LEVAGE D'UNE CHARGE

Publication  
**EP 4069623 A1 20221012 (EN)**

Application  
**EP 20896916 A 20201203**

Priority  
• FI 20196056 A 20191204  
• FI 2020050813 W 20201203

Abstract (en)  
[origin: WO2021111038A1] A spreader for lifting a load is disclosed. The spreader may support the load simultaneously from three sides; from two opposite sides and below. The sides are supported by a first vertical portion (11) and a second vertical portion (12) that are opposite to each other, positioned on the long sides of the load. A supporting element extends from the lower portion of the vertical portion to support the load from below. The supporting element is in one example a link chain (20) that folds only to one direction. The vertical portion (11) accommodates the vertical portion of the link chain (20) when the link chain (20) is fully retracted.

IPC 8 full level  
**B66C 1/16** (2006.01); **B65G 57/24** (2006.01); **B66C 1/28** (2006.01); **B66C 1/32** (2006.01); **B66F 9/12** (2006.01)

CPC (source: EP FI)  
**B65G 47/907** (2013.01 - EP); **B65G 57/24** (2013.01 - FI); **B66C 1/28** (2013.01 - FI); **B66C 1/32** (2013.01 - EP FI); **B66C 1/425** (2013.01 - EP); **B66F 9/122** (2013.01 - FI); **B65G 57/06** (2013.01 - EP); **B65G 59/023** (2013.01 - EP)

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)  
**WO 2021111038 A1 20210610**; CA 3160223 A1 20210610; EP 4069623 A1 20221012; EP 4069623 A4 20231227; FI 20196056 A1 20210605

DOCDB simple family (application)  
**FI 2020050813 W 20201203**; CA 3160223 A 20201203; EP 20896916 A 20201203; FI 20196056 A 20191204