

Title (en)
CARGO HANDLING PALLET

Title (de)
PALETTE FÜR FRACHTUMSCHLAG

Title (fr)
PALETTE DE MANUTENTION DE CARGAISON

Publication
EP 3453639 A1 20190313 (EN)

Application
EP 17833833 A 20170531

Priority
• JP 2016145721 A 20160725
• JP 2017020248 W 20170531

Abstract (en)
Provided is a cargo handling pallet which improves both the loading efficiency and the work efficiency. The cargo handling pallet includes: a placement surface having a rectangular plate shape on which cargo is placed; and a ground contact surface parallel with the placement surface and in contact with a pallet supporting surface. At least one of four edges of the placement surface is formed as an eaves edge over the entire length or a part of the length. A recess is defined below the eaves edge such that the pallet supporting surface is exposed by the recess, and that a distal end of a fork is inserted into the recess. The eaves edge has, on a lower surface of the eaves edge, a sliding contact portion that is brought into sliding contact with an upper surface of the distal end of the fork. The depth of the recess is set longer than the fork insertion length for a case where the upper surface of the distal end of the fork is first brought into contact with the sliding contact portion. The eaves edge is raised due to the sliding contact between the sliding contact portion and the upper surface of the distal end of the fork, such that a fork insertion gap appears between the ground contact surface and the pallet supporting surface that has been in contact with the ground contact surface.

IPC 8 full level
B65D 19/22 (2006.01)

CPC (source: CN EP KR US)
B65D 19/0002 (2013.01 - EP KR US); **B65D 19/0014** (2013.01 - US); **B65D 19/06** (2013.01 - CN); **B65D 19/38** (2013.01 - CN KR); **B65D 19/40** (2013.01 - CN); **B65D 2519/00019** (2013.01 - EP US); **B65D 2519/00024** (2013.01 - EP US); **B65D 2519/00029** (2013.01 - EP US); **B65D 2519/00034** (2013.01 - EP US); **B65D 2519/00054** (2013.01 - EP US); **B65D 2519/00059** (2013.01 - EP US); **B65D 2519/00064** (2013.01 - EP US); **B65D 2519/00069** (2013.01 - EP US); **B65D 2519/00268** (2013.01 - EP US); **B65D 2519/00288** (2013.01 - EP); **B65D 2519/00308** (2013.01 - EP); **B65D 2519/00318** (2013.01 - EP); **B65D 2519/00338** (2013.01 - EP); **B65D 2519/00343** (2013.01 - EP); **B65D 2519/00363** (2013.01 - EP US); **B65D 2519/00407** (2013.01 - EP); **B65D 2519/00412** (2013.01 - EP); **B65D 2519/00786** (2013.01 - CN); **B65D 2519/00796** (2013.01 - EP KR US); **B65D 2519/00955** (2013.01 - CN)

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)
EP 3453639 A1 20190313; **EP 3453639 A4 20191120**; CN 107651274 A 20180202; CN 107651274 B 20190315; CN 207242301 U 20180417; HK 1244765 B 20200207; JP 2018016325 A 20180201; JP 6150152 B1 20170621; KR 20190030652 A 20190322; SG 11201810754P A 20190130; TW 201805209 A 20180216; TW I636923 B 20181001; US 2019308770 A1 20191010; WO 2018020823 A1 20180201

DOCDB simple family (application)
EP 17833833 A 20170531; CN 201710608852 A 20170725; CN 201720905273 U 20170725; HK 18104273 A 20180328; JP 2016145721 A 20160725; JP 2017020248 W 20170531; KR 20187036852 A 20170531; SG 11201810754P A 20170531; TW 106124098 A 20170719; US 201716308045 A 20170531