Title (en)

LATTICE STRUCTURE, LATTICE STRUCTURE COUPLING BODY, WORK MACHINE, AND CONNECTOR

Title (de)

GITTERSTRUKTUR, GITTERSTRUKTURKOPPLUNGSKÖRPER, ARBEITSMASCHINE UND VERBINDER

Title (fr)

STRUCTURE EN TREILLIS, CORPS DE COUPLAGE DE STRUCTURE EN TREILLIS, MACHINE DE TRAVAIL ET CONNECTEUR

Publication

EP 3778465 A4 20220309 (EN)

Application

EP 19804432 A 20190423

Priority

- JP 2018096179 A 20180518
- JP 2019024682 A 20190214
- JP 2019017123 W 20190423

Abstract (en)

[origin: EP3778465A1] A lattice structure (16C) is mounted on a work machine, and is detachably coupled to a counterpart lattice structure (16B) adjacent to the lattice structure (16C). The lattice structure (16C) includes a connector (70) to which an end portion of any main pipe (50) among a plurality of main pipes is connected and to which an end portion of at least one inclined pipe (60) among a plurality of inclined pipes is connected, the connector (70) being detachably coupled to a counterpart connector included in a counterpart lattice structure.

IPC 8 full level

B66C 23/62 (2006.01); **B66C 23/26** (2006.01)

CPC (source: EP US)

B66C 23/26 (2013.01 - US); **B66C 23/286** (2013.01 - EP); **B66C 23/70** (2013.01 - EP US); B66C 2700/03 (2013.01 - US)

Citation (search report)

- [X] JP S49138559 U 19741128
- [X] EP 2907786 A1 20150819 - TEREX CRANES GERMANY GMBH [DE]
- [X] EP 1468955 A1 20041020 - POTAIN SA [FR]
- [X] US 3511388 A 19700512 - MARKWARDT DONALD C
- [X] US 2007044415 A1 20070301 - MERRIFIELD DONALD [US], et al
- [X] DE 102012221031 A1 20140522 - TEREX CRANES GERMANY GMBH [DE]
- See also references of WO 2019220881A1

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

DOCDB simple family (publication)

EP 3778465 A1 20210217; **EP 3778465 A4 20220309**; AU 2019268668 A1 20201126; AU 2019268668 B2 20220407; WO 2019220881 A1 20191121

DOCDB simple family (application)

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