

Title (en)
BALCONY SYSTEM AND METHOD

Title (de)
BALKONSYSTEM UND VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE BALCON

Publication
EP 3880897 A4 20221116 (EN)

Application
EP 19885505 A 20190621

Priority
• US 201862767355 P 20181114
• US 2019038557 W 20190621

Abstract (en)
[origin: WO2020101750A1] A balcony system, comprising: a balcony beam including a first end and a second end, wherein each of the first end and the second end are configured to attach to corresponding structural frame members of a building; a channel balcony frame; a channel balcony frame attachment member attached to the balcony beam and having one or more apertures; one or more reinforcement bars disposed in an interior space defined by the channel balcony frame, one or more guardrail support brackets attached to the channel balcony frame via one or more fasteners that pass through the one or more guardrail support brackets and into the interior space defined by the channel balcony frame, wherein the one or more guardrail support brackets are secured in place by the floor formed within the interior space defined by the channel balcony frame; one or more stanchion guardrail supports each attached to a respective one of the one or more guardrail support brackets and secured in place by a corresponding closure plate; a guardrail attached to the one or more stanchion guardrail supports; one or more horizontal guardrail members attached to the one or more stanchion guardrail supports; and one or more guardrail panels attached to the one or more horizontal guardrail members.

IPC 8 full level
E04B 1/00 (2006.01); **E04F 11/18** (2006.01)

CPC (source: EP KR US)
E04B 1/003 (2013.01 - EP KR US); **E04B 1/24** (2013.01 - US); **E04F 11/1812** (2013.01 - EP KR US); **E04F 11/1853** (2013.01 - US); **E04F 11/1855** (2013.01 - US); **E04F 2011/1872** (2013.01 - EP US); **E04F 2011/1889** (2013.01 - US); **E04F 2011/1891** (2013.01 - US)

Citation (search report)
• [Y] EP 3133220 A2 20170222 - DASEINA OY [FI]
• [Y] US 7497057 B1 20090303 - HANSEN TRACY C [US], et al
• [A] US 6065852 A 20000523 - CRUMLEY HAROLD E [US]
• [A] DE 202014105038 U1 20160125 - RAILING EUROP GMBH & CO KG Q [DE]
• See references of WO 2020101750A1

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)
WO 2020101750 A1 20200522; AU 2019379504 A1 20210527; AU 2019379504 B2 20220331; BR 112021009100 A2 20210810; CA 3118409 A1 20200522; CA 3118409 C 20230926; CN 113015830 A 20210622; EP 3880897 A1 20210922; EP 3880897 A4 20221116; JP 2022507161 A 20220118; KR 20210072117 A 20210616; MX 2021004832 A 20210615; SG 11202104717X A 20210629; TW 202022204 A 20200616; US 2021396018 A1 20211223

DOCDB simple family (application)
US 2019038557 W 20190621; AU 2019379504 A 20190621; BR 112021009100 A 20190621; CA 3118409 A 20190621; CN 201980075000 A 20190621; EP 19885505 A 20190621; JP 2021525605 A 20190621; KR 20217016731 A 20190621; MX 2021004832 A 20190621; SG 11202104717X A 20190621; TW 108139736 A 20191101; US 201917292631 A 20190621