

Title (en)
ANGLED LIFT JETTING

Title (de)
SPRÜHEN MIT ABGEWINKELTEM HUB

Title (fr)
JET DE LEVAGE INCLINÉ

Publication
EP 3247529 A4 20190116 (EN)

Application
EP 16739876 A 20160105

Priority
• US 201562105761 P 20150121
• IL 2016050007 W 20160105

Abstract (en)
[origin: WO2016116921A1] An apparatus for material deposition on an acceptor surface includes a transparent donor substrate having opposing first and second surfaces, such that at least a part of the second surface is not parallel to the acceptor surface, and including a donor film on the second surface. The apparatus additionally includes an optical assembly, which is configured to direct a beam of radiation to pass through the first surface of the donor substrate and impinge on the donor film at a location on the part of the second surface that is not parallel to the acceptor surface, so as to induce ejection of droplets of molten material from the donor film onto the acceptor surface.

IPC 8 full level
B23K 26/06 (2014.01); **B23K 26/342** (2014.01); **B23K 26/57** (2014.01); **C23C 14/04** (2006.01); **C23C 14/22** (2006.01); **C23C 14/28** (2006.01); **C23C 18/14** (2006.01); **H01L 51/00** (2006.01); **B23K 103/00** (2006.01)

CPC (source: EP KR US)
B23K 26/0648 (2013.01 - EP KR US); **B23K 26/342** (2015.10 - EP KR US); **B33Y 30/00** (2014.12 - KR); **C23C 14/048** (2013.01 - EP US); **C23C 14/225** (2013.01 - EP US); **C23C 14/28** (2013.01 - EP US); **H10K 71/18** (2023.02 - EP US); **B23K 2103/00** (2018.07 - EP US); **B23K 2103/42** (2018.07 - EP US)

Citation (search report)
• [X] EP 2660352 A1 20131106 - TNO [NL], et al
• [X] WO 2009153792 A2 20091223 - UTILIGHT LTD [IL], et al
• See references of WO 2016116921A1

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

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WO 2016116921 A1 20160728; CN 107206548 A 20170926; CN 107206548 B 20190813; EP 3247529 A1 20171129; EP 3247529 A4 20190116; IL 253169 A0 20170831; KR 20170102984 A 20170912; TW 201639654 A 20161116; US 2017306495 A1 20171026

DOCDB simple family (application)
IL 2016050007 W 20160105; CN 201680006659 A 20160105; EP 16739876 A 20160105; IL 25316917 A 20170625; KR 20177022327 A 20160105; TW 105101749 A 20160120; US 201715644857 A 20170710