

Title (en)
SIDE SEAL PLATE TRANSFER DEVICE

Title (de)
TRANSFERVORRICHTUNG FÜR SEITLICHE DICHTUNGSPLATTE

Title (fr)
DISPOSITIF DE TRANSFERT DE PLAQUES D'ÉTANCHÉITÉ LATÉRALES

Publication
EP 3546088 A4 20191113 (EN)

Application
EP 16925025 A 20161226

Priority
CN 2016112011 W 20161226

Abstract (en)
[origin: EP3546088A1] A side seal plate transfer device comprises: a pair of side seal plate preheating apparatuses (16) for accommodating side seal plates (12) for end surfaces of a pair of cooling rollers (11); a pair of side seal plate pressing and attachment apparatuses (13); a base (110), a melting pool (10), the cooling rollers, the side seal plate pressing and attachment apparatuses and the side seal plate preheating apparatuses being disposed at positions closer to the lower side relative to the base; a pair of guide rails (111) disposed on the base and linearly extending at outer sides relative to the two end surfaces of the cooling rollers; a pair of side seal plate transfer apparatuses (121), travelling on the respective guide rails, and transferring the side seal plates; a first opening (131) formed in the base above the melting pool portion; a pair of second openings (133), serving as paths for transferring side seal plates and formed on the base; and a pair of third openings (132), serving as paths for transferring side seal plates and formed on the base. The side seal plate transfer device allows an operator to easily recognize a safe operation area, and can fast transfer side seal plates from the preheating apparatuses to the melting pool portion.

IPC 8 full level
B22D 11/06 (2006.01); **B22D 33/00** (2006.01)

CPC (source: EP RU)
B22D 11/06 (2013.01 - RU); **B22D 11/0622** (2013.01 - EP); **B22D 11/066** (2013.01 - EP); **B22D 11/0671** (2013.01 - EP);
B22D 11/0691 (2013.01 - EP)

Citation (search report)
• [X] US 2006118271 A1 20060608 - COOPER W K [US], et al
• [A] US 2006196628 A1 20060907 - OSADA SHIRO [JP], et al
• See references of WO 2018119553A1

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 3546088 A1 20191002; EP 3546088 A4 20191113; EP 3546088 B1 20201111; CN 110114169 A 20190809; CN 110114169 B 20210316;
JP 2020501915 A 20200123; JP 6710341 B2 20200617; RU 2719240 C1 20200417; WO 2018119553 A1 20180705

DOCDB simple family (application)
EP 16925025 A 20161226; CN 2016112011 W 20161226; CN 201680091711 A 20161226; JP 2019534735 A 20161226;
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