

Title (en)
ROLLING UNIT AND ROLLING METHOD FOR FILLER ROD

Title (de)
WALZEINHEIT UND WALZVERFAHREN FÜR EINEN FÜLLERSTAB

Title (fr)
UNITÉ DE LAMINAGE ET PROCÉDÉ DE LAMINAGE POUR BAGUETTE DE SOUDURE

Publication
EP 4381964 A1 20240612 (EN)

Application
EP 21952764 A 20210804

Priority
JP 2021028971 W 20210804

Abstract (en)
A rolling unit 1 for a filler rod TR comprises: a rolling drum 2 that has an outer peripheral surface 2a for holding chip paper P and a continuous body A and transfers the chip paper P and the continuous body A in the circumferential direction of the outer peripheral surface 2a; and a rolling block 4 that has a rolling surface 4a facing the outer peripheral surface 2a of the rolling drum 2, forms a rolling gap 12 between the rolling surface 4a and the outer peripheral surface 2a of the rolling drum 2, and winds the chip paper P around the continuous body A by rolling the continuous body A while interposing the continuous body A in the rolling gap 12 as the rolling drum 2 rotates. A plurality of block-side suction holes 14 are opened on the rolling surface 4a of the rolling block 4, and the rolling gap 12 is suctioned via the block side suction holes 14.

IPC 8 full level
A24C 5/47 (2006.01)

CPC (source: EP KR US)
A24C 5/10 (2013.01 - EP US); **A24C 5/327** (2013.01 - EP US); **A24C 5/47** (2013.01 - EP); **A24C 5/471** (2013.01 - EP US); **A24C 5/478** (2013.01 - KR); **A24C 5/54** (2013.01 - KR)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2024138467 A1 20240502; CN 117750892 A 20240322; EP 4381964 A1 20240612; JP 7499418 B2 20240613; JP WO2023012937 A1 20230209; KR 20240023634 A 20240222; WO 2023012937 A1 20230209

DOCDB simple family (application)
US 202418409968 A 20240111; CN 202180101264 A 20210804; EP 21952764 A 20210804; JP 2021028971 W 20210804; JP 2023539454 A 20210804; KR 20247002223 A 20210804