

Title (en)

AIR KNIFE SYSTEM HAVING ANGLE ADJUSTING APPARATUS

Title (de)

LUFTMESSERSYSTEM MIT WINKELEINSTELLUNGSVORRICHTUNG

Title (fr)

SYSTÈME DE LAME D'AIR AVEC DISPOSITIF DE RÉGLAGE D'ANGLE

Publication

EP 4309803 A1 20240124 (EN)

Application

EP 22211890 A 20221207

Priority

KR 20220090546 A 20220721

Abstract (en)

Proposed is an air knife system having an angle adjusting apparatus. When a screw shaft is rotated, a moving body is moved in a vertical direction, and an angle adjusting lever receives a moving force of the moving body through a shaft member, a rotating body, and a movable rail, so that the angle adjusting lever is rotated with respect to a pipe center. In this process, the rotating body is moved together with the moving body and is rotated around the shaft member, and the movable rail is rotated together with the rotating body and is spaced apart or is approached to the pipe center. Therefore, the angle adjusting lever rotates a first gas supply pipe, and changes a vertical angle of an air knife with respect to a plated steel sheet.

IPC 8 full level

B05C 11/06 (2006.01); **C23C 2/16** (2006.01)

CPC (source: CN EP)

B05C 11/06 (2013.01 - EP); **C23C 2/003** (2013.01 - CN EP); **C23C 2/06** (2013.01 - CN); **C23C 2/16** (2013.01 - EP); **C23C 2/18** (2013.01 - EP); **C23C 2/20** (2013.01 - CN EP)

Citation (applicant)

- KR 19920012105 U
- JP 2001131724 A 20010515 - HITACHI LTD
- KR 200382147 Y1 20050418
- KR 20130044970 A 20130503 - POSCO [KR]
- KR 101866313 B1 20180614 - SAM WOO [KR]

Citation (search report)

- [XA] CN 106702300 A 20170524 - BAOSTEEL-NSC ARCELOR AUTOMOTIVE STEEL SHEETS CO LTD
- [AD] KR 101866313 B1 20180614 - SAM WOO [KR]
- [AD] KR 20030093586 A 20031211 - POSCO [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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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