

Title (en)

DIRECT FLAME PREHEATING SECTION FOR A CONTINUOUS METAL STRIP PROCESSING LINE

Title (de)

DIREKTFLAMMVORWÄRMSTRECKE FÜR EINE KONTINUIERLICHE METALLBANDVERARBEITUNGSLINIE

Title (fr)

SECTION DE PRECHAUFFAGE A FLAMME DIRECTE POUR LIGNE CONTINUE DE TRAITEMENT DE BANDES METALLIQUES

Publication

EP 4217516 A1 20230802 (FR)

Application

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Priority

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Abstract (en)

[origin: WO2022064149A1] Direct flame preheating section for continuous metal strip processing lines (B), comprising a connecting zone between an active zone (14) provided with burners capable of functioning in 'no flame' mode and a recuperative zone (11) for preheating the strip by exchange with combustion fumes originating from the active zone, the connecting zone having chambers (18, 19) capable of orienting the flow of fumes such that they flow head-on relative to the strip when exiting the active zone and entering the recuperative zone depending on the direction of flow of the fumes.

IPC 8 full level

C21D 1/52 (2006.01); **C21D 1/74** (2006.01); **C21D 1/767** (2006.01); **C21D 9/56** (2006.01); **F27B 9/12** (2006.01); **F27B 9/28** (2006.01); **F27B 9/30** (2006.01); **F27B 9/36** (2006.01); **F27D 13/00** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP KR US)

C21D 1/52 (2013.01 - EP KR US); **C21D 1/74** (2013.01 - EP); **C21D 1/767** (2013.01 - EP KR US); **C21D 9/56** (2013.01 - EP); **C21D 9/561** (2013.01 - EP KR US); **F27B 9/12** (2013.01 - EP KR US); **F27B 9/28** (2013.01 - EP KR US); **F27B 9/3005** (2013.01 - EP KR); **F27B 9/36** (2013.01 - EP KR); **F27D 13/00** (2013.01 - EP KR); **F27D 99/0033** (2013.01 - EP KR); **F27B 2009/122** (2013.01 - US)

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