

Title (en)
CONTINUOUS HOT-DIP GALVANIZATION APPARATUS AND HOT-DIP GALVANIZED STEEL SHEET MANUFACTURING METHOD

Title (de)
VORRICHTUNG ZUR KONTINUIERLICHEN FEUERVERZINKUNG UND VERFAHREN ZUR HERSTELLUNG VON FEUERVERZINKTEM STAHLBLECH

Title (fr)
APPAREIL DE GALVANISATION PAR IMMERSION À CHAUD EN CONTINU ET PROCÉDÉ DE FABRICATION DE TÔLE D'ACIER GALVANISÉE PAR IMMERSION À CHAUD

Publication
EP 3276037 A4 20180321 (EN)

Application
EP 16767930 A 20160219

Priority
• JP 2015060139 A 20150323
• JP 2016000899 W 20160219

Abstract (en)
[origin: EP3276037A1] Provided is a continuous hot-dip galvanizing apparatus that can inhibit roll pick-up in a soaking zone caused by condensation or the like in a humidified gas pipe, and with which favorable coating appearance can be obtained. The continuous hot-dip galvanizing apparatus includes an annealing furnace in which a heating zone, a soaking zone, and a cooling zone are arranged in this order, and a hot-dip galvanizing line adjacent to the cooling zone. Gases supplied to the soaking zone (12) are: mixed gas obtained by mixing gas that is humidified by a humidifying device (50) and gas that is not humidified by the humidifying device; and dry gas that is not humidified by the humidifying device. The continuous hot-dip galvanizing apparatus includes a draining device (80) for draining circulating water from the humidifying device (50) when the mixed gas is not supplied to the soaking zone (12).

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
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• [Y] JP 2008275185 A 20081113 - TAIYO NIPPON SAN SO CORP
• [I] WO 2014132638 A1 20140904 - JFE STEEL CORP [JP]
• See also references of WO 2016152018A1

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