

Title (en)
Apparatus and method for the straightening of pipes on profile machines

Title (de)
Vorrichtung und Verfahren zum Richten von Rohren auf Profilmaschinen

Title (fr)
Appareil et procédé permettant de dresser les tuyaux sur des machines de profil

Publication
EP 2644292 A1 20131002 (EN)

Application
EP 13158408 A 20130308

Priority
IT MI20120468 A 20120326

Abstract (en)
Apparatus for the straightening of a continuously seamed pipe (10) in cold-laminated steel, positioned in line with a forming machine, said apparatus (10) comprising: a plurality of entry stations (3) and at least one exit station (4), comprising pairs of opposite rollers (5) with fixed axes and pre-set on the basis of the profile of the pipe (10); a straightening station (20) placed between said entry station (3) and said at least one exit station (4), comprising a pair of opposite rollers (21) adjustable on the horizontal axis (X) and a pair of opposite rollers (22) adjustable on the vertical axis (Y), said pairs of rollers (21, 22) being motorised and in forced contact with the profile of the pipe (10), said apparatus likewise comprising: a device (30) for the detecting of the position of the axis of the pipe (10) positioned downstream of said at least one exit station (4) of the pipe; a control unit suitable for comparing the data relating to the position detected of the axis of the pipe (10) with reference data relating to the ideal position of this axis and, in case of deviations, sending correction signals to drives (23, 24) respectively of said pairs of rollers (21) on the horizontal axis (X) and (22) on the vertical axis (Y).

IPC 8 full level
B21D 3/05 (2006.01)

CPC (source: EP)
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Citation (applicant)
• DE 19651422 A1 19980618 - WANZKE HELGA [DE]
• US 5309746 A 19940510 - ABBEY III NELSON D [US]

Citation (search report)
• [Y] DE 19651422 A1 19980618 - WANZKE HELGA [DE]
• [Y] US 5309746 A 19940510 - ABBEY III NELSON D [US]
• [A] EP 0916425 A1 19990519 - SCHLOEMANN SIEMAG AG [DE]

Cited by
CN112718932A; CN103769444A; CN105170707A

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