

Accepted Manuscript

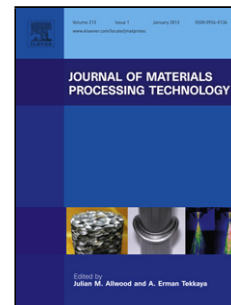
Title: Root defects in full penetration laser welding of thick plates using steady electromagnetic force

Authors: Yi Qi, Genyu Chen

PII: S0924-0136(18)30205-X
DOI: <https://doi.org/10.1016/j.jmatprotec.2018.05.009>
Reference: PROTEC 15758

To appear in: *Journal of Materials Processing Technology*

Received date: 22-1-2018
Revised date: 9-4-2018
Accepted date: 4-5-2018



Please cite this article as: Qi Y, Chen G, Root defects in full penetration laser welding of thick plates using steady electromagnetic force, *Journal of Materials Processing Tech.* (2018), <https://doi.org/10.1016/j.jmatprotec.2018.05.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Root defects in full penetration laser welding of thick plates using steady electromagnetic force

Yi Qi ^a, Genyu Chen^{a,b,c,*}

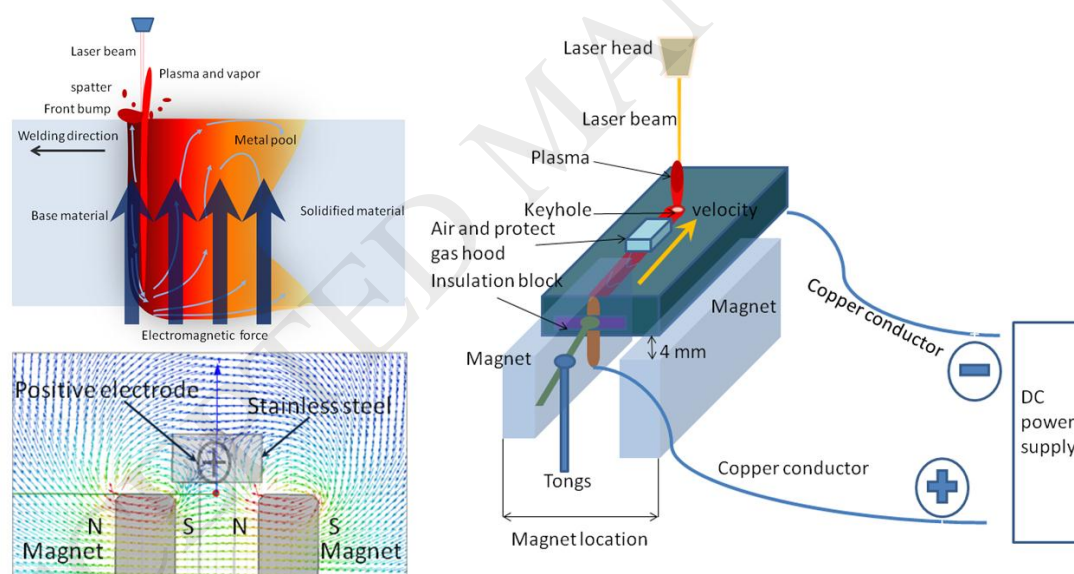
^a State Key Laboratory of Advanced Design and Manufacturing for Vehicle Body, Hunan University, Changsha, Hunan Province 410082, China

^b Institute of Laser Technology, Hunan University, Changsha, Hunan Province 410082, China

^c Han's Laser Smart Equipment Group, Shenzhen, Guangdong Province 518103, China

*Corresponding author at: State Key Laboratory of Advanced Design and Manufacturing for Vehicle Body, Hunan University, Changsha 410082, China.
Tel.: +86 731 88821772; fax: +86 731 88821772.
E-mail address: hdgychen@163.com (G.Y. Chen).

Graphical abstract



Abstract:

This article proposes an approach to stabilize the process of full-penetration laser welding of 16 mm 316L stainless steel by introducing steady electromagnetic force.

Download English Version:

<https://daneshyari.com/en/article/7176266>

Download Persian Version:

<https://daneshyari.com/article/7176266>

[Daneshyari.com](https://daneshyari.com)