

Title (en)

SYSTEMS AND METHODS TO PROVIDE WELD TRAINING

Title (de)

SYSTEME UND VERFAHREN ZUR BEREITSTELLUNG VON SCHWEISSTRAINING

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR PERMETTRE UN ENTRAÎNEMENT À LA SOUDURE

Publication

EP 3400588 A1 20181114 (EN)

Application

EP 17701393 A 20170106

Priority

- US 201662276290 P 20160108
- US 2017012563 W 20170106

Abstract (en)

[origin: CN108701427A] The present invention provides methods and apparatus for weld training. An example weld training system includes a display device, an input device, a processor, and a machine readable storage device comprising machine readable instructions. The instructions may be executed by the processor to: enable the user to design a weld procedure by selecting weld parameters; enabling the user to simulate setting up a simulated physical welding environment; simulating a welding operation on a simulated workpiece using the selected weld parameters in a welding model and a setup of the simulated physical welding environment to determine a modeled result of the welding operation; displaying a simulation animation of the welding operation on the display device according to the simulation; and displaying the modeled result on the display device using at least one of an image of a surface of a weld bead or a cross-section of the weld bead and the workpiece.

IPC 8 full level

G09B 19/24 (2006.01)

CPC (source: EP US)

G09B 19/24 (2013.01 - EP US); **H04N 13/204** (2018.04 - US); **H04N 13/302** (2018.04 - US)

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