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ABSTRACT OF THE DISCLOSURE



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Disclosed is a solid wire for arc welding, including:
a flat portion of a wire surface with no copper plating,
5 wherein micro Vickers hardness (Hv) of the flat portion is
in the range of 115 to 310 and arithmetical average
roughness (Ra) of the flat portion is in the range of 0.01
to 0.30 μ m. The solid wire is based on a new concept
different from a conventional solid wire. The solid wire
10 for arc welding has excellent feedability without copper
plating, thereby improving weld workability. Consumption of
energy during manufacture of the solid wire can be reduced
because the solid wire is manufactured without copper
plating, and a weld work environment can be improved
15 because copper fumes are not generated.