

Title (en)
WELD STUD

Title (de)
SCHWEISSBOLZEN

Title (fr)
GOUJON DE SOUDURE

Publication
EP 2231358 A4 20111228 (EN)

Application
EP 08864647 A 20081218

Priority
• US 2008087321 W 20081218
• JP 2007329793 A 20071221

Abstract (en)
[origin: WO2009082658A1] A weld stud 10 comprises a weld flange 11 adapted to be welded to a workpiece and a portion 13 integrally formed with the weld flange 11. The flange 11 has a surface to be welded. The surface includes a flattened annular portion 14 of a predetermined radial width at an outer periphery thereof and a conical recess 15 conically formed from the annular portion 14 to the center thereof, so that only the annular portion 14 is welded to the workpiece.

IPC 8 full level
B23K 9/20 (2006.01); **B23K 35/02** (2006.01)

CPC (source: EP)
B23K 9/207 (2013.01); **B23K 35/0288** (2013.01)

Citation (search report)
• [XY] GB 2065011 A 19810624 - ALUSUISSE
• [Y] DE 19611711 A1 19971002 - EMHART INC [US]
• [A] US 2005072765 A1 20050407 - SCHMITT KLAUS GISBERT [DE], et al
• [A] FR 1172429 A 19590210
• See references of WO 2009082658A1

Designated contracting state (EPC)
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