

Title (en)
Spanner

Title (de)
Schraubenschlüssel

Title (fr)
Clé

Publication
EP 1050379 A1 20001108 (EN)

Application
EP 99107040 A 19990409

Priority
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Abstract (en)
A spanner includes a shank with a head (20,220) having a first jaw (21) and a second jaw (24) with a throat portion (220) connected therebetween which has a concavity (22) defined therein. The first jaw (21) has a first recess (26) defined in the inside thereof with a first engaging surface (242) connected between the first recess and the throat portion. The second jaw (24) has a second recess (27) defined in the inside thereof and a second engaging surface (243) extending from one of two ends of the concavity toward the second recess, and a third engaging surface (241) connected between the second engaging surface and the second recess. An angle is defined between the first engaging surface and the inside of the first jaw. Each of the second engaging surface and the third engaging surface has a respective angle defined between the inside of the second jaw. An object can be clamped between the first engaging surface and the third engaging surface. <IMAGE>

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B25B 13/08

IPC 8 full level
B25B 13/08 (2006.01); **B25B 13/46** (2006.01)

CPC (source: EP)
B25B 13/08 (2013.01); **B25B 13/46** (2013.01)

Citation (search report)
• [A] GB 2080171 A 19820203 - HARRIS ALEXANDER
• [A] US 5131312 A 19920721 - MACOR RICHARD J [US]
• [A] US 4776244 A 19881011 - OLSON GENE E [US], et al
• [A] DE 2156086 A1 19730517 - SPECIALTY TOOLS

Cited by
WO02074497A3

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