

Title (en)
Underreamer blade

Title (de)
Schneidarm für Räumer

Title (fr)
Lame de coupe pour élargisseur

Publication
EP 0905348 A3 19990630 (EN)

Application
EP 98122696 A 19951031

Priority
• EP 95935506 A 19951031
• GB 9422022 A 19941031
• GB 9505430 A 19950317

Abstract (en)
[origin: EP0905348A2] A blade (5A) for an underreamer (1) comprises an arm of steel and a multiplicity of wear resistant assemblies secured to the arm, the wear resistant assemblies being provided on a gauge face (D) and on an adjacent cutting face (A,C) of the blade. The multiplicity of wear resistant assemblies are secured to the arm as an integral unitary member by means of a single base component (51) in which the multiplicity of wear resistant assemblies is embedded. The base component is secured to the arm by welding or brazing. <IMAGE> <IMAGE>

IPC 1-7
E21B 10/32; **E21B 10/56**; **E21B 47/18**

IPC 8 full level
E21B 10/54 (2006.01)

CPC (source: EP)
E21B 10/54 (2013.01)

Citation (search report)
• [XY] GB 1464464 A 19770216 - MINDRILL LTD
• [Y] US 3851719 A 19741203 - THOMPSON C, et al
• [Y] EP 0058061 A2 19820818 - DRILLING & SERVICE UK LTD [GB]
• [YA] EP 0522553 A1 19930113 - BAKER HUGHES INC [US]
• [Y] EP 0391683 A1 19901010 - MORRISON PUMPS SA [ZA]
• [Y] US 4586574 A 19860506 - GRAPPENDORF RICHARD H [US]
• [Y] EP 0325271 A2 19890726 - EASTMAN CHRISTENSEN CO [US]
• [Y] US 4809793 A 19890307 - HAILEY CHARLES D [US]
• [Y] US 5036921 A 19910806 - PITTARD FRED J [US], et al

Cited by
CN109667544A

Designated contracting state (EPC)
FR NL

DOCDB simple family (publication)
EP 0905348 A2 19990331; **EP 0905348 A3 19990630**; **EP 0905348 B1 20050126**; GB 9422022 D0 19941221; GB 9505430 D0 19950503

DOCDB simple family (application)
EP 98122696 A 19951031; GB 9422022 A 19941031; GB 9505430 A 19950317