

Title (en)

High wear resistant screw, mixing shaft or other machine part for use in the building industry and related materials processing

Title (de)

Hochverschleissfeste Schnecke, Mischerwelle oder ähnliche Maschinenteile zur Verwendung in der Bauindustrie und des baustoffverarbeitenden Gewerbes

Title (fr)

Hélice, arbre ou autre pièce à haute résistance à l'usure pour machines de chantier utilisés dans l'industrie du bâtiment et des matériaux

Publication

**EP 0904828 A3 20000315 (DE)**

Application

**EP 98118179 A 19980925**

Priority

DE 29717220 U 19970926

Abstract (en)

[origin: EP0904828A2] A wear resistant worm, mixer shaft or similar machine component, for use in the building industry, comprises a metallic base material (1) with a highly wear resistant alloy (3) over the region in contact with the housing (2). The alloy consists of 0.75 pts. C, 4.3 pts. Si, 15 pts. Cr, 3.5 pts Fe, 3.1 pts B and the rest Ni. The alloy is applied by diffusion spraying, and is up to 1mm thick.

IPC 1-7

**B01F 15/00**; **B28C 5/08**

IPC 8 full level

**B01F 7/00** (2006.01); **B01F 15/00** (2006.01); **B28C 5/14** (2006.01)

CPC (source: EP)

**B01F 27/053** (2022.01); **B28C 5/142** (2013.01)

Citation (search report)

- [Y] DE 4408717 A1 19950921 - METALLGESELLSCHAFT AG [DE]
- [Y] US 4731253 A 19880315 - DUBOIS SAMUEL C [US]
- [Y] FR 2209702 A1 19740705 - EPITOEGEPEGYARTO VALLALAT [HU]
- [Y] US 3469824 A 19690930 - FUTTY ROBERT C, et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 29717220 U1 19971218**; EP 0904828 A2 19990331; EP 0904828 A3 20000315

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