

Title (en)

Pipe milling tool blade and method of dressing same.

Title (de)

Blatt für ein Rohrschneidwerkzeug und Verfahren zu dessen Herrichtung.

Title (fr)

Lame pour outil de découpage de tubes et procédé pour son montage.

Publication

**EP 0341073 A1 19891108 (EN)**

Application

**EP 89304524 A 19890505**

Priority

- GB 8810713 A 19880506
- GB 8813452 A 19880607
- GB 8822134 A 19880921

Abstract (en)

A blade (8) for a pipe milling tool having a body (1) and a longitudinal axis (100) has a plurality of slots (12) extending both in a generally radial direction and in an intended direction of rotation of the milling tool about the longitudinal axis. Located in each slot (12) is at least one cutting element (13), the slot and the cutting element both having a greater depth in the blade in the intended direction of rotation than height in the longitudinal axis direction. The provision of such dimensions for the slot and cutting element affords the blade with improved life. The cutting element may each have a negative axial rake angle (A) and the cutting elements are preferably brazed in each of the slots. In a preferred embodiment the slots and the cutting elements are both similarly decreasingly tapered from a forward (leading) face (221) to a rearward face (218) with respect to the intended direction of rotation of the tool by an angle in the range 1 DEG to 20 DEG .

IPC 1-7

**E21B 10/46; E21B 29/00**

IPC 8 full level

**E21B 10/46** (2006.01); **E21B 29/00** (2006.01)

CPC (source: EP)

**E21B 10/46** (2013.01); **E21B 29/002** (2013.01); **E21B 29/005** (2013.01)

Citation (search report)

- [A] US 3726351 A 19730410 - WILLIAMS E
- [A] US 3106973 A 19631015 - CHRISTENSEN FRANK L
- [A] US 3145790 A 19640825 - BRIDWELL HAROLD C, et al
- [A] EP 0213989 A1 19870311 - EUROFARAD [FR]
- [A] GB 947440 A 19640122 - JERSEY PROD RES CO
- [A] US 4717290 A 19880105 - REYNOLDS CARL D [US], et al
- [A] EP 0234697 A2 19870902 - TRI STATE OIL TOOLS INC [GB]

Cited by

EP0480656A1; EP2960428A3; CN112127823A; US5862870A; AU704979B2; CN116927700A; US10260302B2; WO9711250A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

**EP 0341073 A1 19891108**; NO 891861 D0 19890505; NO 891861 L 19891107

DOCDB simple family (application)

**EP 89304524 A 19890505**; NO 891861 A 19890505