

Title (en)

Method and apparatus for applying liquid to a moving threadline.

Title (de)

Verfahren und Vorrichtung zum Auftragen von Behandlungsflüssigkeit auf einen sich bewegendenden Faden.

Title (fr)

Procédé et appareil pour appliquer un agent de traitement liquide sur un fil en déplacement.

Publication

**EP 0082896 A1 19830706 (EN)**

Application

**EP 81306157 A 19811230**

Priority

EP 81306157 A 19811230

Abstract (en)

An ultrasonic vibrator (18) of the type used to atomize liquid used for applying a liquid finish to a moving threadline (12). The liquid is supplied in a metered stream by pump (15) to a through-passage (19) in the tip of the horn of the vibrator in which it is atomized and applied to the threadline which moves through the passage in the tip of the horn (16).

IPC 1-7

**D06B 1/08**

IPC 8 full level

**B05B 17/06** (2006.01); **B05D 7/20** (2006.01); **D06B 1/02** (2006.01); **D06B 1/08** (2006.01); **D06B 13/00** (2006.01)

CPC (source: EP)

**B05B 17/0623** (2013.01); **B05B 17/063** (2013.01); **D06B 1/08** (2013.01)

Citation (search report)

- [Y] US 3783596 A 19740108 - WALDKIRCH R
- [Y] GB 781174 A 19570814 - BENNINGER AG MASCHF
- [A] NL 107452 C
- [A] US 3906757 A 19750923 - ARIMOTO HEIJI, et al

Cited by

US4891960A; US11253885B2; EP0388173A1; TR25901A; US11583885B2; US11571704B2

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DE FR GB IT NL

DOCDB simple family (publication)

**EP 0082896 A1 19830706**; **EP 0082896 B1 19860305**; CA 1197148 A 19851126; DE 3174029 D1 19860410; JP S58120853 A 19830718; JP S6030379 B2 19850716

DOCDB simple family (application)

**EP 81306157 A 19811230**; CA 393930 A 19820112; DE 3174029 T 19811230; JP 21597181 A 19811230