

Title (en)

INSTRUMENT MOUTHPIECE WITH CURVILINEAR AIR FLOW DISRUPTION APPARATUS

Title (de)

INSTRUMENTENMUNDSTÜCK MIT KRUMMLINIGER LUFTSTROMSTÖRUNGSVORRICHTUNG

Title (fr)

EMBOUT BUCCAL D'INSTRUMENT AVEC APPAREIL DE RUPTURE D'ÉCOULEMENT D'AIR CURVILIGNE

Publication

**EP 4291396 A1 20231220 (EN)**

Application

**EP 21926011 A 20211104**

Priority

- US 202117174727 A 20210212
- US 2021058052 W 20211104

Abstract (en)

[origin: WO2022173474A1] An instrument mouthpiece having an interior wall that includes a plurality of curvilinear modifications that disrupts airflow through the mouthpiece in order to produce a pleasing sound when a player is playing an instrument. The modifications may comprise raised curvilinear ridges disposed on the baffle of the or curvilinear valleys carved into the baffle. Additionally, the modifications may include specific patterns designed to elicit different, yet still pleasing sounds from the instrument. These patterns may include a first pattern having a first central linear modification flanked by a set of modifications having parabolic elongated modifications wherein each modification has a parabolic focus increasingly more distant from each respective modification in a direction away from the central modification and also flanked by a set of modifications having parabolic elongated modifications fashioned in the opposite direction. Another pattern may include modifications that are linear but spaced apart from each other in an increasingly distant pattern.

IPC 8 full level

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CPC (source: EP)

**G10D 7/06** (2013.01); **G10D 9/02** (2013.01); **G10D 9/035** (2020.02)

Citation (search report)

See references of WO 2022173474A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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