

Title (en)
Brass wind musical instrument and rotary valve therefore

Title (de)
Blechblasinstrument und Drehventil hierfür

Title (fr)
Instrument à vent en cuivre et piston à rotation pour cet instrument

Publication
EP 1424681 B1 20050406 (DE)

Application
EP 03022122 A 20030930

Priority
DE 20218484 U 20021128

Abstract (en)
[origin: EP1424681A1] The rotary valve (1) for wind instruments has a valve housing (2) and rotatably located adjustment component by means of at least one slide bearing (6). The slide bearing has at least one lubricant channel which extends at least partly over the height of the slide bearing. The cross-section of the at least one lubricant channel is so selected, that the lubricant by virtue of capillary effect is sucked into the lubricant channel. The cross-sectional surface is preferably in the range from 0.001 to 0.1 mm². The lubricant channel extends in a helicoidal or screw-line form over at least a part of the height of the slide bearing. The lubricant channel is formed in a bearing surface of a bearing component of the adjustment component.

IPC 1-7
G10D 9/04

IPC 8 full level
G10D 9/04 (2006.01)

CPC (source: EP)
G10D 9/04 (2013.01)

Cited by
DE102008006483B4; CN113450740A; CN105280163A; DE102008006483A1

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DOCDB simple family (publication)
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