

Title (en)

Lens grinding apparatus and apparatus for treating grinding water for use therein

Title (de)

Vorrichtung zum Schleifen von Brillengläsern und Anlage zum Aufbereiten von Kühlflüssigkeit zur Verwendung darin

Title (fr)

Dispositif de meulage de verres de lunettes et appareil pour le traitement d'eau usée à utiliser dans ce dispositif

Publication

**EP 1350598 A3 20031022 (EN)**

Application

**EP 03090060 A 20030312**

Priority

- JP 2002066969 A 20020312
- JP 2002362978 A 20021213

Abstract (en)

[origin: EP1350598A2] A grinding water treating apparatus for use in a lens grinding apparatus is provided which permits both grinding water treating means and deodorizing means to be accommodated in a limited receptacle space, thereby permitting reduction of the receptacle space. In a grinding water treating apparatus (27) for use in a lens grinding apparatus, comprising a grinding water treating means (27a) which filters grinding water after use in a glasses lens grinding work to separate grinding wastes and produce purified water and a deodorizing means (51) for removing an offensive smell developed within the grinding water treating means (27a) and also within a grinding water storage vessel (3), both grinding water treating means (27a) and deodorizing means (51) are disposed within the same housing (40). Moreover, a lens grinding apparatus is provided having a grinding water storage vessel (3) for the storage of grinding water which has been used in grinding a glasses lens and a grinding water supply hose (19) which permits said grinding water to flow into said grinding water storage vessel, wherein, an injection means (N) is attached to a tip (19a) of said grinding water supply hose, and said grinding water is injected radially by said injection means to cover the surface of grinding water already stored in said grinding water storage vessel, thereby extinguishing foams produced on the surface of said grinding water. A grinding water treating apparatus for use in a lens grinding apparatus is provided which permits both grinding water treating means and deodorizing means to be accommodated in a limited receptacle space, thereby permitting reduction of the receptacle space. In a grinding water treating apparatus (27) for use in a lens grinding apparatus, comprising a grinding water treating means (27a) which filters grinding water after use in a glasses lens grinding work to separate grinding wastes and produce purified water and a deodorizing means (51) for removing an offensive smell developed within the grinding water treating means (27a) and also within a grinding water storage vessel (3), both grinding water treating means (27a) and deodorizing means (51) are disposed within the same housing (40). Moreover, a lens grinding apparatus is provided having a grinding water storage vessel (3) for the storage of grinding water which has been used in grinding a glasses lens and a grinding water supply hose (19) which permits said grinding water to flow into said grinding water storage vessel, wherein, an injection means (N) is attached to a tip (19a) of said grinding water supply hose, and said grinding water is injected radially by said injection means to cover the surface of grinding water already stored in said grinding water storage vessel, thereby extinguishing foams produced on the surface of said grinding water.

IPC 1-7

**B24B 9/14**; **B24B 55/02**; **B24B 55/06**

IPC 8 full level

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CPC (source: EP)

**B24B 9/146** (2013.01); **B24B 55/02** (2013.01); **B24B 55/06** (2013.01)

Citation (search report)

- [XY] DE 4411537 A1 19951012 - WERNICKE & CO GMBH [DE]
- [Y] DE 4426419 C1 19960404 - WERNICKE & CO GMBH [DE]
- [A] EP 1043121 A1 20001011 - TOPCON CORP [JP], et al
- [X] DE 4336824 A1 19950504 - DUERR DENTAL GMBH CO KG [DE]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02 29 February 2000 (2000-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 598 (M - 1704) 15 November 1994 (1994-11-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19 5 June 2001 (2001-06-05)

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