Title (en)

    Oral care instrument including an oral care agent and a wear indicator

Title (de)

    Mundpflegeinstrument mit einem Mundpflegemittel und einem Verschleissanzeiger

Title (fr)

    Instrument de soin buccal comprenant un agent de soin buccal et un indicateur d'usure

Publication

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Application

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Priority

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Abstract (en)

    An oral care instrument (1) includes at least one oral care agent. In one embodiment, the oral care agent can be provided on one or more surfaces of the oral care instrument or included within cavities (50) within the head or in one or more surfaces of a head. In other embodiment, the oral care agent can be provided in or on a thin slab subsequently bonded onto a surface, or applied as a stable coating. The oral care instrument can also be provided with a wear indicator (120). The oral care agents can be released during one use, during multiple uses, or throughout the life of the instrument. Water, oral secretions and/or chemicals within the mouth can activate the oral care agents.

IPC 8 full level

    A46B 11/00 (2006.01)

CPC (source: EP KR)

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    A46B 15/001 (2013.01 - EP); A46B 2200/1066 (2013.01 - EP)

Citation (search report)

- [XYI] US 5340581 A 19940823 - TSENG MINGCHIH M [US], et al
- [Y] WO 2004021914 A2 20040318 - COLGATE PALMOLIVE CO [US], et al
- [YA] US 3491396 A 19700127 - EANNARINO JOSEPH M, et al

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DOCDB simple family (publication)

    WO 2007025012 A1 20070301; AU 2006283081 A1 20070301; AU 2006283081 B2 20100715; AU 2010231393 A1 20101104;
    AU 2010231393 B2 20130207; BR PI0615130 A2 20130101; CA 2620057 A1 20070301; CA 2620057 C 20110823; CA 2742129 A1 20070301;
    CA 2742129 C 20150331; CA 2854080 A1 20070301; CN 101299944 A 20081105; CN 101299944 B 20100901; EP 1924169 A1 20080528;
    EP 1924169 B1 20131023; EP 2529643 A1 20121205; EP 2529643 B1 20161130; ES 2441041 T3 20140131; HK 1115038 A1 20081121;
    KR 100979832 B1 20100902; KR 20080041718 A 20080513; MX 2008002465 A 20080407; MX 344589 B 20161220; MY 146561 A 20120830;
    RU 2008111502 A 20091010; RU 2009133035 A 20110310; RU 2013156598 A 20150410; RU 2376917 C1 20091227;
    RU 2517554 C2 20140527; RU 2567680 C2 20151110; TW 200727819 A 20070801; TW I412340 B 20131021

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    CA 2620057 A 20060824; CA 2742129 A 20060824; CA 2854080 A 20060824; CN 200680040423 A 20060824; EP 06789969 A 20060824;
    EP 12182542 A 20060824; ES 06789969 T 20060824; HK 08110534 A 20080923; KR 20087007320 A 20060824; MX 2008002465 A 20060824;
    MX 2012004500 A 20060824; MY PI20080332 A 20060824; RU 2008111502 A 20060824; RU 2009133035 A 20060824;
    RU 2013156598 A 20060824; TW 95131227 A 20060825