Title (en)

Ultrasonically excited comb

Title (de)

Ultraschall-Kamm

Title (fr)

Peigne excité par ultrasons

Publication

EP 2682020 A3 20141001 (EN)

Application

EP 13171288 A 20130610

Priority

GB 201212000 A 20120705

Abstract (en)

[origin: GB2497613A] A comb for hair or fibres comprises a rigid comb body (10, Fig 1) having a spine 12 extending along a longitudinal axis and a plurality of teeth (14, Fig 1) projecting from the spine and extending transversely to the longitudinal axis, the spine being connected to an ultrasound generator 20 comprising of at least one ultrasonic transducer 22 operative to apply compression waves to the spine in a direction transverse to the longitudinal axis of the spine so as to cause surface waves to propagate along the spine and the teeth of the comb body. The ultrasound generator may comprise a plurality of transducers, arranged with an equal number of transducers on each side of the spine, the spine being clamped between the transducers. The comb body may be made of metal and serve as an electrical ground plane of the transducers. In a second embodiment of the invention the comb may be provided in combination with a dispenser (150, Fig 4) for applying a hair treatment product to be worked into the hair by the teeth of the comb.

IPC 8 full level

A45D 24/22 (2006.01); A45D 19/02 (2006.01); A45D 24/00 (2006.01)

CPC (source: EP GB US)

A45D 24/00 (2013.01 - US); **A45D 24/007** (2013.01 - EP GB US); **A45D 24/22** (2013.01 - EP GB US); A45D 2200/207 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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