

Title (en)

Fibre-opening unit having teeth with improved contour

Title (de)

Auflöseeinrichtung mit verbesserter Kontur aufweisenden Zähnen

Title (fr)

Dispositif d'ouvrison comprenant des dents avec contour amélioré

Publication

**EP 1657328 A2 20060517 (DE)**

Application

**EP 05110353 A 20051104**

Priority

DE 102004054653 A 20041111

Abstract (en)

The teeth of an opening roller are at most spaced (L 2) 20 mm, preferably 12 mm, apart and have a height (H 2) no greater than the spacing (L 2). Near the tip (5) the leading edge (7) makes a positive angle (WB) of 0 to 10 degrees. Near the root the edge (8) is at an angle (WS) to the vertical tangent (10), e.g. at 30 to 50 degrees. The height of the tooth base is less than 2.5 mm, e.g. 0.7 to 1 times the tooth height (H 2). Independent claims are also included for a spinning machine opening roller furnished with such teeth and for card clothing wire or wire rings having teeth of this kind.

IPC 8 full level

**D01H 4/32** (2006.01)

CPC (source: EP US)

**D01G 15/88** (2013.01 - EP US); **D01H 4/32** (2013.01 - EP US)

Cited by

CN106557613A; US7818848B2; DE102007062841A1; EP3497271B1

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