

Title (en)  
BI-DIRECTIONAL RAZOR STRUCTURES AND SYSTEMS

Title (de)  
BI-DIREKTIONALE RASIERSTRUKTUREN UND -SYSTEME

Title (fr)  
SYSTEMES ET STRUCTURES DE RASOIR BIDIRECTIONNEL

Publication  
**EP 0783396 B1 20030903 (EN)**

Application  
**EP 94930425 A 19940906**

Priority  
US 9410307 W 19940906

Abstract (en)  
[origin: CA2199129A1] Single-head razor devices (240) for shaving in two opposite directions without lifting the razor's head (245) from the skin to be shaved are provided. The razor head (241) may be constructed as a disposable cartridge if desired. Two pairs of narrow, razor blade strips are positioned within each head, with one pair of blades extending in one direction and the other extending in an opposite direction. The head (241) remains engaged upon the skin for cutting hair in both directions, and may be rigidly or pivotally attached to the handle (242). Several different constructions and classes of assembled bi-directional razor head structures are disclosed. The blades may be arranged in one or two working planes.  
[origin: CA2199129A1] Single-head razor devices (240) for shaving in two opposite directions without lifting the razor's head (245) from the skin to be shaved are provided. The razor head (241) may be constructed as a disposable cartridge if desired. Two pairs of narrow, razor blade strips are positioned within each head, with one pair of blades extending in one direction and the other extending in an opposite direction. The head (241) remains engaged upon the skin for cutting hair in both directions, and may be rigidly or pivotally attached to the handle (242). Several different constructions and classes of assembled bidirectional razor head structures are disclosed. The blades may be arranged in one or two working planes.

IPC 1-7  
**B26B 21/22**; **B26B 21/52**

IPC 8 full level  
**B26B 21/22** (2006.01); **B26B 21/52** (2006.01)

CPC (source: EP)  
**B26B 21/22** (2013.01); **B26B 21/521** (2013.01)

Cited by  
DE102016123979A1; DE102008009082B4

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**CA 2199129 A1 19960314**; **CA 2199129 C 20020423**; DE 69433116 D1 20031009; EP 0783396 A1 19970716; EP 0783396 A4 19980902; EP 0783396 B1 20030903

DOCDB simple family (application)  
**CA 2199129 A 19940906**; DE 69433116 T 19940906; EP 94930425 A 19940906