

Title (en)

Non-pinching hinge apparatus and method of use.

Title (de)

Nicht klemmende Schwenkvorrichtung und ihrer Verwendung.

Title (fr)

Articulation anti-pince-doigts et son application.

Publication

EP 0323918 A1 19890712 (EN)

Application

EP 89300153 A 19890109

Priority

US 14255988 A 19880107

Abstract (en)

A non-pinching hinge apparatus (10) having a constant radius hinge bulb (12) integrally connected to a door structure (14) with the hinge bulb (12) rotating about a hinge pivot (16) located at the center of the hinge bulb (12) when the door is operated, the hinge apparatus (10) including at least a single wiper (18) removably affixed to a door jamb structure (20) with the hinge bulb (12) passing the wiper (18) within a very close tolerance for eliminating pinch points and preventing the insertion of body parts into the hinge apparatus (10). A first alternative embodiment replaces the wiper construction with a close fitting socket while a second alternative embodiment provides a spring loaded wiper for use with a non-constant radius hinge bulb having an eccentric surface.

IPC 1-7

E06B 3/88

IPC 8 full level

E06B 7/36 (2006.01)

CPC (source: EP)

E06B 7/362 (2013.01); **E06B 7/367** (2013.01); **E06B 2007/365** (2013.01)

Citation (search report)

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