

Title (en)  
MACHINE FOR WORK-PIECES HAVING A CURVED SURFACE OF A GIVEN SHAPE

Publication  
**EP 0055648 B1 19840808 (FR)**

Application  
**EP 81401948 A 19811208**

Priority  
FR 8027284 A 19801223

Abstract (en)  
[origin: US4443977A] In order to machine skew surfaces, adjacent cylindrical shaping rollers in adjacent relation are each freely mounted for rotation on roller support frames which are each capable of relative backward or forward longitudinal displacement under the action of a numerical control system. An abrasive belt which is applied against a portion of the periphery of the set of shaping rollers assumes during this portion of travel a configuration corresponding to the instantaneous envelope curve of the transverse cross-sections of the rollers and thus constitutes a tool which provides a variable profile for abrasive machining operations.

IPC 1-7  
**B24B 21/16**; **B24B 21/08**

IPC 8 full level  
**B24B 21/00** (2006.01); **B24B 21/08** (2006.01); **B24B 21/16** (2006.01)

CPC (source: EP US)  
**B24B 21/08** (2013.01 - EP US); **B24B 21/16** (2013.01 - EP US); **B24B 21/165** (2013.01 - EP US)

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DE4029129A1

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DOCDB simple family (publication)  
**EP 0055648 A2 19820707**; **EP 0055648 A3 19820811**; **EP 0055648 B1 19840808**; DE 3165452 D1 19840913; FR 2496533 A1 19820625; FR 2496533 B1 19831118; JP S57127665 A 19820807; US 4443977 A 19840424

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**EP 81401948 A 19811208**; DE 3165452 T 19811208; FR 8027284 A 19801223; JP 20794781 A 19811222; US 33332981 A 19811222