

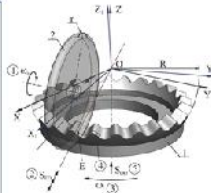
**MD.13.**

<b>Title</b>	<b>Processes for generating gears from precessional transmissions</b> Mazuru Sergiu, Vaculenco Maxim, Bostan Ion
<b>Institution</b>	<b>Technical University of Moldova</b>
<b>Patent no.</b>	Patent application No. 1116 Z MD, 2017. BOPI no. 1/2017; 4, 2120 MD, BOPI no. 3/2003;
<b>Description</b> EN	The processes developed by grinding, honing with diamond, machining by non-conventional electrochemical methods for precession planetary gears and not no more. Due to their advantages, they can be used in all areas where transformation of movement and load is required - from simple general-purpose drive mechanisms to automobiles, robots, cosmic flight technique, special technique, etc. Planetary Precessional power transmission technologies (machinery) are being developed, industrial prototypes of devices and tools that have been studied and tested in the laboratory, are proposed to be implemented.

## EUROINVENT 2018

Cinematica procedurii  
include următoarele  
5 mișcări:

1. Mișcarea principală de  
așchiere – rotirea sculei;
2. Mișcare liniară a sculei  
de-a lungul dintelui;
3. Mișcarea de rulare –  
roțirea discretă a semifabricatului;
4. Mișcarea oscilatorie a  
sculei coordonată cu  
rularea roții;
5. Mișcarea de avans a  
sculei spre semifabricat.



Schema cinematică a procedurii de generare  
prin rectificare cu sculă - disc profilat periferic



Dispozitivul de generare  
a danturilor angrenajelor procesate



Fazele generării danturilor angrenajului procesat cu sculă în formă de disc profilat