



EUROPEAN COMMISSION  
Research Executive Agency

Director



## GRANT AGREEMENT

NUMBER — 797328 — MoMenT

This **Agreement** ('the Agreement') is **between** the following parties:

**on the one part,**

the **Research Executive Agency (REA)** ('the Agency'), under the powers delegated by the European Commission ('the Commission'), represented for the purposes of signature of this Agreement by Head of Unit , Research Executive Agency , Excellent Science Department, Marie Skłodowska-Curie COFUND, Researchers' Night and Individual Fellowships Global, Klaus HAUPT,

**and**

**on the other part,**

'the beneficiary':

**SECO TOOLS AB (SECO TOOLS AB)**, established in BJORNBACKSVAGEN 2, FAGERSTA 73782, Sweden, VAT number: SE556071106001, represented for the purposes of signing the Agreement by President, Lars BERGSTRÖM

The parties referred to above have agreed to enter into the Agreement under the terms and conditions below.

By signing the Agreement, the beneficiary accepts the grant and agrees to implement it under its responsibility and in accordance with the Agreement, with all the obligations and conditions it sets out.

The Agreement is composed of:

Terms and Conditions

- |         |   |
|---------|---|
| Annex 1 | Description of the action                         |
| Annex 2 | Estimated budget for the action                   |
|         | 2a Additional information on the estimated budget |
| Annex 3 | Not applicable                                    |
| Annex 4 | Model for the financial statements                |
| Annex 5 | Not applicable                                    |
| Annex 6 | Not applicable                                    |

## **CHAPTER 1 GENERAL**

### **ARTICLE 1 — SUBJECT OF THE AGREEMENT**

This Agreement sets out the rights and obligations and the terms and conditions applicable to the grant awarded to the beneficiary for implementing the action set out in Chapter 2.

## **CHAPTER 2 ACTION**

### **ARTICLE 2 — ACTION TO BE IMPLEMENTED**

The grant is awarded for the action entitled ‘**Modelling and Measurement of Thermal Phenomena in Metal Cutting — MoMenT**’ (‘**action**’), as described in Annex 1.

### **ARTICLE 3 — DURATION AND STARTING DATE OF THE ACTION**

The duration of the action will be **24 months** as of 1 July 2018 (‘starting date of the action’).

### **ARTICLE 4 — ESTIMATED BUDGET AND BUDGET TRANSFERS**

#### **4.1 Estimated budget**

The ‘**estimated budget**’ for the action is set out in Annex 2.

It contains the estimated eligible costs and the forms of costs, broken down by beneficiary, budget category (see Articles 5, 6)

#### **4.2 Budget transfers**

Not applicable

## **CHAPTER 3 GRANT**

### **ARTICLE 5 — GRANT AMOUNT, FORM OF GRANT, REIMBURSEMENT RATES AND FORMS OF COSTS**

#### **5.1 Maximum grant amount**

The ‘**maximum grant amount**’ is **EUR 185,857.20** (one hundred and eighty five thousand eight hundred and fifty seven EURO and twenty eurocents) .

#### **5.2 Form of grant, reimbursement rate and form of costs**

The grant reimburses **100 %** of the action’s eligible costs (see Article 6) (‘**reimbursement of eligible costs grant**’) (see Annex 2).

The estimated eligible costs of the action are **EUR 185,857.20** (one hundred and eighty five thousand eight hundred and fifty seven EURO and twenty eurocents) .

## 4. CV

**Name:** Vyacheslav Kryzhanivskyy.

**Affiliation:**

Zhytomyr State Technological University, Ukraine (<http://www.ztu.edu.ua>);  
Department of Software Development; Department of Manufacturing Engineering  
Lund University, Sweden (<http://www.lunduniversity.lu.se/>) (*on academic mobility*)  
Department of Mechanical Engineering

**Date of birth:** 1966-12-17.

**Higher education degree:** 1991, Mechanical Engineering, Kyiv Polytechnic Institute, Ukraine.

**Doctoral degree:** 1995 Ph.D., Mathematical Modelling and Numerical Methods in Scientific Research, Institute for Mechanical Engineering Problems of Ukrainian Academy of Sciences, Kharkiv. Title: Optimization of placement of discrete physical field sources that is described by boundary value problems of elliptic and parabolic types. Supervisor: Prof. Yuriy Stoyan.

**Current position (2007 - present):** Associate Professor (Docent), Department of Software Development at Zhytomyr State Technological University;  
(*on academic mobility from 01 Aug 2016*) Researcher at Division of Production and Materials Engineering, Lund University.

**Previous positions:**

- (2004 – 2007), Postdoctoral Study, Zhytomyr State Technological University, Zhytomyr, Ukraine.
- (1996 – 2004), Associate Professor (Docent), Department of Software Development, Zhytomyr State Technological University.
- (1994 - 1996), Programming Engineer, Institute for Mechanical Engineering Problems of Ukrainian Academy of Sciences, Kharkiv. (<http://www.ipmach.kharkov.ua>)

**Supervising and mentoring activities:**

- Courses taught: Discrete Mathematics, Software and Data Security, Mathematical Models of Technical Systems, System Analysis.
- Number of Master students: > 30
- Co-organizer of scientific seminar “Mathematical Models and Optimization Methods of Technical Systems with Discrete Physical Sources” (since 2000).
- Co-supervisor of PhD students, members of seminar.
- Head of section “Software systems, mathematical modeling and data processing algorithms” of annual faculty conference “Computer technologies: innovations, problems and solutions”, 2015.

**Prizes and awards:**

- 2015 - Research Fellowship under Visby Programme 2015/2016 by the Swedish Institute, Sweden.
- 2001 - The Annual Polissya Award “Silver Tower” in the category “Education”, Ukraine.
- 1995 - The Scholarship of Government of France, France.
- 1994 - The Scholarship of State Committee for Science and Technologies of Ukraine for young scientists, Ukraine.

**Funding**

*As main applicant:*

- Vinnova Innovation Agency, Sweden: project VINNMER 2015-06377.
- Vinnova Innovation Agency, Sweden: project VINNMER 2016-02046.

*As co-applicant:*

- (2017-2019) Synthesis of thermodynamically unstable phases and the final formation technology of optical-electrical properties of heterostructure optoelectronic detectors for special purpose (№0117U000633). Ministry of Education and Science of Ukraine.



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