



G+K FILM

Tape Report

G + K Filmproduktions AG / Textorstraße 95 / 60596 Frankfurt
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|----------------------------|--|-----------|--------------------|
| Client | EPO - European Patent Office | | |
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| Title | Nominees – Petr Korba and Mats Larsson | | |
| Language | English | | |
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| Shooting Date | 2nd March 2011 | | |
| Place of Production | ABB Switzerland Ltd, Center Corporate Research, Baden, ABB Power Tower, Baden, and Laufenburg | | |
| | | | |
| Video | Audio | TIME CODE | Colour Bars / Tone |
| H264 / 16:9 | Audio I + II | | |
| PAL | Mono | | |
| Colour | | | |
| | | | |
| TIME CODE START | PROGRAMM | | |
| 00:00:00:00 | Inventor Details | | |
| 00:00:05:00 | Question: What is the added value of the award for Europe's economy? | | |
| 00:00:10:00 | Answer Korba: Well, in the past decade, many blackouts occurred. Each of them was causing losses to society in terms of hundreds of millions of dollars, and I believe that with our invention, we can help to prevent that this will not happen in future. | | |
| 00:00:27:09 | Question: Who benefits from your invention? | | |
| 00:00:32:09 | Answer Larsson: This is a further development of say, our conventional network management systems, but the main difference is that we are using satellites to synchronise measurements taken at the different parts of the grid, so this makes it possible to see exactly the cause and effect when events happen in the grid. It is a hundred, or a thousand times faster than the conventional management systems, which makes it possible to supervise also these dynamic effects that are known to lead to blackouts. | | |
| 00:01:11:11 | Answer Larsson: The European and the network operators all over the world. They use these inventions to give us a better power supply. So in the end, we all, you and me, all industries, all commercial businesses, will benefit from these inventions. | | |
| 00:01:31:15 | Question: How relevant is the economic potential of your invention? | | |
| 00:01:36:15 | Answer Korba: If a blackout happens, the losses go into hundreds of millions of U.S. dollars, and with just a fraction of this amount of money, one can install our invention and protect the power system, so that this does not happen. | | |
| 00:01:51:08 | Question: | | |



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| | How successful are the products generated from this invention? |
| 00:01:56:08 | Answer Korba: We have a stand-alone product, and a product which has been integrated to the existing system. It has been sold to dozens of customers. We have got enthusiastic feedbacks from operators using it in Scandinavia, Continental Europe, Asia, America. |
| 00:02:14:21 | Question: Can you describe the moment when you realised that you created something valuable and "big"? |
| 00:02:19:21 | Answer Korba: When I was watching on TV, news about one of these blackouts, and I saw the disaster for millions of people and losses for the society in tens of millions or hundreds of millions, I realised that we were working on something very valuable. |
| 00:02:38:19 | Question: How relevant are patents in your field of action? |
| 00:02:43:19 | Answer Larsson: We are very keen on protecting the inventions, and sometimes, you cannot always tell people about what you are inventing. And that's why we need patents, so that we can protect our inventions, and this kind of work, it can place a lot of attention to these inventions and provide a great motivation for us as researchers and also for say, students who are studying to become such researchers. |
| 00:03:12:01 | Question: Please try to explain your invention in 3 sentences... |
| 00:03:17:01 | Answer Larsson: You must understand that the power networks today, they are all built together in a huge system and you can have things happening in one part of the network that affects the whole rest of the network, and particularly, this is what we have seen in the past where we all know there has been hysteria. We have had several blackouts in the last decades in Europe, most of them with very high costs, so, hundreds of millions of Euros. And because of these connections between the different networks, you have disturbances that spread; they can get larger and larger. And the invention that we have made, it can help the power network operators to supervise the network (so) they can detect problems early enough to take action and avoid such blackouts. |
| 00:4:10:13 | Black Burst |
| | |
| Client Producer | Director |
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| Inspection | Control |



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| Audio | OK | | |
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