In this poster a new solid-liquid extraction technology, named Extractor Naviglio, is presented. At the base of this new technology there is the discovery of a new solid-liquid extraction principle: Naviglio’s Principle. The statement of this principle is the following: “By using a suitable solvent, the generating of a negative gradient pressure between the outlet and the inlet of a solid matrix containing some extractable material, followed by a sudden restoration of the initial equilibrium conditions, induces the forced extraction of substances not chemically bonded to the principal structure of which the solid is formed”. This means that the extractive process can be forced by generating a difference of pressure between the inner and the outlet of solid matrix and then the process will be an active process, in alternative to actual passive processes of solid liquid extraction that base themselves on diffusion law (Fick’s law).

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