



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/RO85/00001 (22) International Filing Date: 27 January 1985 (27.01.85) (31) Priority Application Number: 113.423 (32) Priority Date: 27 January 1984 (27.01.84) (33) Priority Country: RO</p> <p>(71) Applicant (for all designated States except US): DIREC- TIA SANITARA A JUDETULUI NEAMT [RO/ RO]; Laboratoarele Plantavorel, Str. Bd. Traian Nr. 1, Piatra Neamt, COD 5600 (RO).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only) : ELTHES, Ludovic, Ladislau [RO/RO]; ELTHES, Aristina [RO/RO]; Str. Bela Breiner Nr. 72, Oradea COD 3600 (RO).</p>		<p>(74) Agent: OFICIUL DE BREVETE SI MARCI PEN- TRU STRAINATATE- ROMINVENT; Bd. N. Băl- cescu Nr. 22 sector 1, Bucuresti COD 70122 (RO).</p> <p>(81) Designated States: AT, CH, DE, FR (European patent), JP, SU, US.</p> <p>Published <i>With international search report.</i></p>
<p>(54) Title: MEDICINAL VEGETABLE COMPOSITION FOR TREATING SOME HEPATIC AND BILIARY DIS- EASES</p>		
<p>(57) Abstract</p> <p>Medicinal vegetable compositions for treating some hepatic and biliary diseases, characterized by combining the plants <i>Epilobium hirsutum</i> L., <i>Chamaenerion palustre</i> Schreb and <i>Chamaenerion angustifolium</i> (L) scop., the combining rate being 15...40, 20...50, 35...80, ratio per 100g of vegetable material.</p>		

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Medicinal vegetable composition for  
treating some hepatic and biliary  
diseases.

The present invention refers to a medicinal vegetable composition for treating functional or organic hepatic and biliary diseases, aiming at restoring the basic hepatic function.

Some drugs as "Essentiale", "Purinor" - "Produse farmaceutice folosite în practica medicinală" 1981 pg.391 - Agenda medicală 1981, pg.666 are known as useful drugs to restore the liver metabolism aiming rather at stopping a rapid evolution and presenting obvious negative effects.

Are also known composition used in hepatic and biliary diseases which contain active principles from *Berberis vulgaris* L. alone or associated - RSR 66691, 63127 patents, or vegetable extract from the plants *Chelidonium majus* L. and *Hypericum perforatum* L. associated with the products as virgin wax, honey larva triturate and propolis powder - RSR 80626 patent.

The present invention enriches the range of the products intended to treat hepatic and biliary diseases by a vegetable composition containing an association of the plants *Epilobium hirsutum* L., *Chamaenerion palustre schreli* and *Chamaenerion angustifolium* (L) so their rates being of 15...40:20...50:35...30 the rates being calculated at long of vegetable material.

Below are given two examples of obtaining the medicinal composition according invention.

Example 1. The composition contains the aerial, underground and subaquatic parts of the plants: 20g of *Epilobium hirsutum* L., 40g of *Chamaenerion palustre* Schreb., 40g of *Chamaenerion angustifolium* (L) Scop.

The vegetable composition is obtained by mixing the aqueous decoction, of the hard parts and roots with the aqueous infusion, of their aerial parts. The aqueous decoction is obtained by boiling the hard parts of the plants in the rates stated for 7-14 min. The mixture consists of putting 2/3 hard parts and roots with 1/3 leaves flowers and seeds.

The solution thus obtained is administered 2-3 times/day each of 100-250g per os/day, 30-45 min. before meals in biliary dyskinesia, chronic hepatic diseases and calculus diseases.

Example 2. The composition consists of the aerial, underground and subaquatic parts of the plants: 10g of *Epilobium hirsutum* L., 30g of *Chamaenerion palustre* Schreb., 60g of *Chamaenerion angustifolium* (L) Scop.

The decoction from the hard and ligneous parts of the plants is made under the same condition as in example 1, and the other parts of the plants are directly infused in the decoction. The rates of the hard and roots of the plants, in relation to the other parts, are the same as in example 1. The administration is also the same.

The above composition is intended to treat functional or organic acute and chronic hepatic and biliary diseases, namely biliary dyskinesia, calculus biliary diseases, chronic hepatopathies: persistent chronic hepatitis, aggressive chronic hepatitis, compensated biliary cirrhosis, chronic pancreatitis, biliary calculus.

The vegetable composition according to the invention has the following advantages:

- has a very good digestive tolerance
- definitely improves bile secretion, the dynamics of bile elimination into the duodenum, realising an optimum drainage required by digestion
- helps significantly to regenerate the liver cells, and increases the detoxifying capacity of liver
- improves obviously the immunopathologic processes in chronic hepatic diseases
- has a strong roborant effects upon the body

#### Claims:

Medicinal vegetable composition for treating some hepatic and biliary diseases, characterized by combining the plants *Epilobium hirsutum* L., *Chamaenerion palustre* scrob and *Chamaenerion augustifolium* (L) scop., the combining rate being 15...40, 20...50, 35...80, ratio per 100g of vegetable material.

# INTERNATIONAL SEARCH REPORT

International Application No PCT/RO 85/00001

<b>I. CLASSIFICATION OF SUBJECT MATTER</b> (if several classification symbols apply, indicate all) <sup>6</sup>		
According to International Patent Classification (IPC) or to both National Classification and IPC		
IPC <sup>4</sup> A 61 K 35/78		
<b>II. FIELDS SEARCHED</b>		
Minimum Documentation Searched <sup>7</sup>		
Classification System	Classification Symbols	
Int.Cl. <sup>4</sup>	A 61 K 35/78	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched <sup>8</sup>		
<b>III. DOCUMENTS CONSIDERED TO BE RELEVANT <sup>9</sup></b>		
Category <sup>9</sup>	Citation of Document, <sup>11</sup> with indication, where appropriate, of the relevant passages <sup>12</sup>	Relevant to Claim No. <sup>13</sup>
A	DE, A1, 1 467 978 (KAPPUS) 29 May 1969 (29.05.69).	(1)
T	SCIENTIA PHARMACEUTICA, volumn 53, no. 124, issued 1984 (Österreichische Apotheker- Verlagsges.m.b.H., Wien), see page 39.	(1)
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<b>IV. CERTIFICATION</b>		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
24 April 1985 (24.04.85)	26 April 1985 (26.04.85)	
International Searching Authority	Signature of Authorized Officer	
AUSTRIAN PATENT OFFICE	<i>Inhofer</i>	

Anhang zum internationalen Recherchenbericht über die internationale Patentanmeldung Nr.

In diesem Anhang sind die Mitglieder der Patentfamilien der im obengenannten internationalen Recherchenbericht angeführten Patentdokumente angegeben. Diese Angaben dienen nur zur Unterrichtung und erfolgen ohne Gewähr.

Annex to the International Search Report on International Patent Application No. PCT/RO 85/00001

This Annex lists the patent family members relating to the patent documents cited in the above-mentioned International search report. The Austrian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Annexe au rapport de recherche internationale relatif à la demande de brevet international n°.

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None